

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XV

NEW YORK, NOVEMBER 5, 1924

No. 19

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Boston



Philadelphia
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In This Issue { German Chemicals and Datives Plan
Oil Cedartwood Up 200 Per Cent

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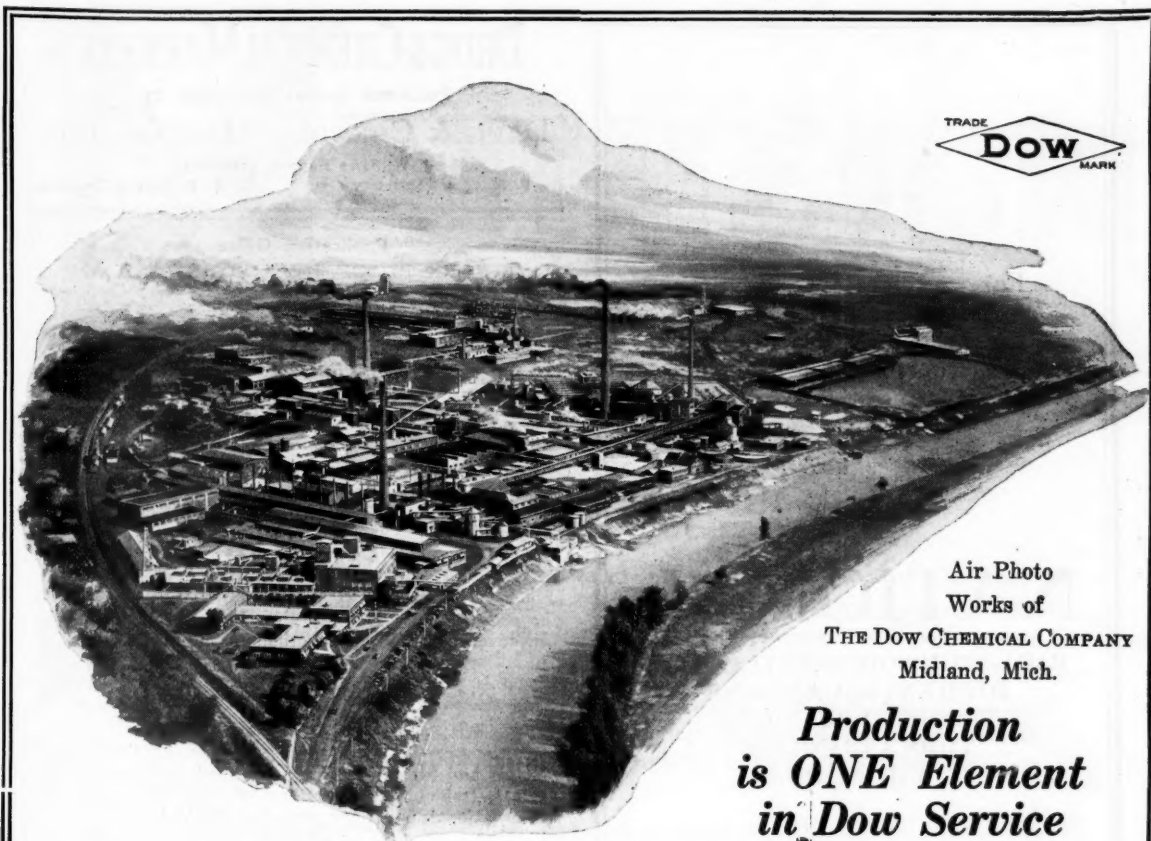
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VOLUME XV

No. 19

The Week in Brief

News

The estate left by Herman Frasch, noted chemist, who discovered the Frasch method of mining sulfur, is to be devoted to research in chemical agriculture. A trust is provided by the will of Elizabeth B. Frasch and the work is to be carried on with the aid of the American Chemical Society.

A conference between representatives of the United States and Mexico is being arranged to discuss methods by which the smuggling of narcotics across the international boundary may be checked.

The market position of oil cedarwood is attracting the attention of the trade because of an advance of 200 per cent in price within the year.

Markets

Industrial chemicals passed a quiet week, preceding Election Day. Trading slowed up perceptibly as buyers withdrew from the market until after election. No important price changes have taken place, all chemicals apparently holding their own at the recent price levels.

Dyes and intermediates continue to show moderate improvement from week to week as textile mills show signs of more extensive operations. The price situation remains unchanged in practically all products. Demand for crudes has apparently lessened.

Miscellaneous oils, fats and greases continue in steady demand. The sharp upward swing of prices has halted and a reaction is evident as some buyers refuse to be interested at present quotations. With stocks of many oils limited no sharp reaction is probable.

Essential oils continue in active demand. Oil lemon is tending scarce. Oil Java citronella is active as short sellers of geraniol cover. Oil caraway is easier. Oil peppermint is firm.

Crude drugs show signs of firmness. Spot stocks are becoming reduced, and shipment prices tending higher, especially from Germany. Cascara sagrada is steady. Dandelion root is active. Belladonna leaves are firm.

The fine chemical demand has fallen off on practically all items. Mercury lower on spot and in London. No change in bromides. Menthol position still acute with Japan refusing to quote. Codliver oil is firm and active.

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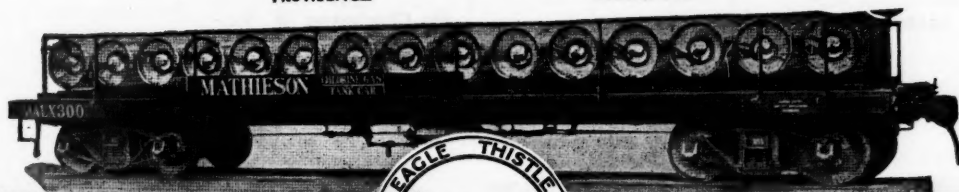
Each ton container is refilled while being individually weighed on a Toledo scale. To make doubly sure of the accuracy of the contents and of the tightness of the valves, all containers are allowed to stand for 24 hours after filling, until the Liquid Chlorine has adjusted itself to atmospheric temperature. A final inspection is then made and the weights rechecked before the containers are returned to the Multi-Unit Car.

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June 6, 1924

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New York City

DRUG & CHEMICAL MARKETS

VOLUME XV

NEW YORK, NOVEMBER 5, 1924

No. 19

MIXING COMPETITIVE FACTORS

To change our freight rate-making from the equalized zone to the straight mileage basis, as strenuously urged by the railways, would introduce, in many instances, an entirely new set of factors in transportation costs that would have far-reaching effects.

It is very much worth any manufacturer's time to consider these changes as they may affect his business. If he finds this effect serious, he should not fail to file a protest, in order that the facts regarding the situation at his particular shipping point and for his particular products may be on record. Because the effects of the proposed changes are almost as infinite as the different number of shipping points multiplied by the different commodity groups for which rates are made, this subject is obviously unsuitable for concerted action of various trade associations which are national in scope. It is, therefore, the more important that the individual manufacturers study this matter for their own protection.

The thriving cluster of chemical plants at Bound Brook, N. J., make a very pertinent example. Under the zone system of rate-making their freights are equalized with New York City and the entire so-called Metropolitan District. But Bound Brook is just beyond the twenty-five mile limit, which the mileage basis of rate-making uses as its basis. The proposed changes will put Bound Brook with an adverse differential of from three to five cents a hundred in New York City as against all other competitors within the twenty-five mile limit. This same differential would be maintained on all shipments to New England and northern New York State. Both in fact and in freight theory, this shipping point is obviously within the Metropolitan chemical area. The plants built there selected the point, partly at least, because its freight rates were on a competitive basis with Newark, Long Island City, Bayonne, Belleville, Jersey City, and other competitive manufacturing centers. These investments are imperilled by disturbance of those competitive factors. The result of the proposed changes would in this sense be confiscatory, they would certainly work many hardships. While they appear to be fair enough in themselves, it is unjust and unwise to put them into effect after production and distribution have been built up upon another competitive foundation.

These are the points for the individual concerns

to discover for themselves, and to see to it that they are properly presented to the Interstate Commerce Commission.

GOVERNMENT CONTROL OF DYE INDUSTRY

No more graphic description of the British dyestuff situation has been presented than is contained in the few words spoken by Dr. Herbert Levinstein at a recent meeting at Bradford, England, when he said:

"The British Dyestuffs Corporation have recently recovered about £1,000,000 from profits earned by Levinstein Ltd. before the amalgamation. Further, they are entitled to receive, or have already received, from the du Pont company the sum of £250,000 in cash, on account of the American rights for the Levinstein processes acquired by the du Pont company. The British Dyestuffs Corporation thus obtained their factories, outstandings, stocks, processes, royalties due and goodwill for a little over three quarter million in shares, and have regained therefrom about £1,250,000 in cash, and the present market value of what is left is about £180,000."

The natural inference is that the management of British Dyestuffs Corporation has been lacking in both commercial and technical efficiency. In fact Dr. Levinstein gives this impression when he says: "There appears, therefore, to me to be no doubt that you have an asset which has diminished to a startling extent." Other British manufacturers are enlarging their plants in the expectation that they can capture the trade now deserting British Dyestuffs Corporation, owing to its failure to meet the requirements of dye consumers.

It may be possible to make Great Britain independent of German dyes, but only privately owned companies can meet the crisis. Germany is watching her opportunity to regain the British textile trade and if the German Dye Cartel once more obtains a foothold, it will be very difficult for British manufacturers to drive them out. Government control has been a failure. Levinstein built a plant before the war that was a rival of the best German dye plants, although not so large. The business was not for sale, but Levinstein was urged to amalgamate with British Dyes, Ltd., as the Government corporation was then known, and "as a matter of patriotism" he consented. Then came the baleful influence of a Government-controlled Board of Directors, the majority of whom were neither dye manufacturers nor good business men. Controlled by political influences, the corporation was doomed to failure from the start. The efforts of trained chemists were nullified by incompetent

INDUSTRIAL CHEMICAL SECTION

managers. When Dr. Levinstein resigned he said the technical direction of British Dyestuffs Corporation was not strong enough to enable the company to compete with the Germans and Swiss in the special lines planned when the corporation was established. He contended that the plants should be run as any manufacturer would run his private plant, only men of known ability and fitness for their positions to be in control. His judgment was the result of many years of practical experience, but the Government appointees did not recognize the necessity for an organization of trained men, hence the collapse of Great Britain's elaborate plans to develop the dye industry to a point where the country would be independent of Germany.

TABLET TOLERANCES

That the American manufacturing drug trade is seriously handicapped by too rigid a set of standards for tolerances in hypodermic tablets, and that these standards are in need of revision and re-standardization, is admitted by anybody who is in a position to appreciate the difficulty and the innumerable problems which arise in manufacture. Not only in actual production where large scale operations are necessary to hold costs to the minimum, but in packing, storing, and distribution, the tablet problem of the trade is a big one worthy of careful study. New standards must be adopted to suit the new conditions of manufacture.

The American Pharmaceutical Manufacturers' Association in conjunction with the American Drug Manufacturers' Association, has been working out a new range of tolerances based on the peculiar chemical and physical properties of various tablet ingredients. A thorough study of the problem has been made by a group of experts from the membership of the two associations. The Bureau of Chemistry of the Department of Agriculture has agreed to work in conjunction with the manufacturers through the associations to abolish arbitrary limits, and to re-standardize all tolerances based on practical manufacturing operations to-day and normal deterioration which is inherent in various standard tablets.

When the new standards are actually determined and accepted, and there seems to be every reason that they will be, as a result of the present activity, another mark must go to the credit of the trade association as the efficient point of contact between business and the Government.

PEPPERMINT OIL—1924 AND 1925

When asked recently what he believed would be the effect of the present high price of peppermint oil on production, consumption, and the market generally next year, a Mid-West distiller replied without hesitation that a sharp increase in acreage and an over-production of the oil would be not at all unlikely. That the present cost to consumers, close to six dollars per pound, will tend to reduce the consumption of the oil to the absolute minimum, he also agreed, and with a 400,000 pound production this year, might mean a carry-over of a goodly

portion of this year's crop into the 1925 distilling season.

Several dealers in the big cities, a few of whom were caught short of oil for September delivery, and who are at the "small end of the horn" in the present peppermint oil market, have expressed the opinion that little oil would be carried over into 1925 by the country holders. Stocks in the cities have been, and are still, according to reports, well below normal for this time of the year. In short, the 1924 crop finds the channels of the trade comparatively bare of oil. Therefore, little is to be feared from a saturated market opposing the absorption of the new production. The belief has been expressed that the dearth of stocks outside of distillers' hands will just about offset the effect of the high price, and will enable the country to move its full 400,000 pounds.

With 400,000 pounds of oil at about five dollars, the crop will yield some two million this year. This is about four to one compared to a pre-war figure of \$1.25 for natural oil. But, suppose that a few more farmers go in for peppermint next year to get some of the profit from this five dollar market, and a 600,000 pounds crop is distilled. With a big crop and new faces in the field, not many "cold feet" are needed to break a market all to pieces. Carry-over or not, 1925 seems destined to see a bigger supply of peppermint oil as the inevitable consequence of this year's high price. What the price is likely to be, only the gods can tell and they are keeping it a secret until they see how many farmers are going to double or treble their acreage next year.

Ten Years Ago

From the Nov. 4, 1914, issue of "Drug & Chemical Markets":

The sandalwood auctions scheduled for Nov. 19 at Mysore, India, have been postponed until March next, according to advices from London. As Germany normally is a large consumer of sandalwood oil, there is always strong competition from German buyers at the sales. With this factor barred out by the war, it is expected that low prices would obtain at this time.

"Men are afraid to launch large chemical manufactories because of uncertainty as to the length of the war," said Dr. F. W. Russe of the Mallinckrodt Chemical Works, "but if consumers could agree to support American producers, if contracts could be arranged, the fear of a speedy return of European competition would in part be removed."

"It seems as though buyers are waiting for a chance to stock up when their purchases will not cause a repetition of the August panic which sent quotations to new high records", said Mr. Mesereau of Schieffelin & Co., "Higher prices—even exorbitant prices—must come before long again, but this time it will only be those whom necessity drives to buy, who will pay the cost."

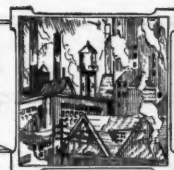
From England, it was announced this week that it is the intention of the Board of Trade to establish a Government factory for the production of aniline dyes.

Prices for peppermint oil range from \$1.50@\$1.60 in tins for the American crop as the result of lack of demand from foreign countries.



Industrial Chemical

SECTION



German Chemicals and the Dawes Plan

May Enable Germany to Regain World Export Markets at Expense of Home Manufacturers

By O. F. C. BROMFIELD

Secretary, British Chemical and Dyestuffs Traders' Association

IN the previous article I endeavored to briefly illustrate the position during the last three years and the effect in Germany and Europe generally of the failure to bring about some definite and settled form of payment of reparations. It was necessary to review the period in question in order to properly appreciate the possible trend of affairs as time goes on under more normal conditions. It is an admitted fact that, before the war, Germany was the world's largest producer and exporter of chemicals and dyestuffs. She undoubtedly built up a sound reputation for quality and her prices were difficult to compete with. The practice of the German maker was to ascertain what competition he had to meet in the various markets and cut it right out, even if it meant selling at a loss for the time being. But once that competition was killed, his prices went back up and he more than recovered whatever he may have lost in the process of collaring the position. That method, combined with unlimited enterprise, rare capabilities, and, where necessary, the introduction of certain influences (I believe in America they call it "graft") was the basis of the sound establishment of the chemical and dyestuffs industry in Germany. Even then, perhaps, the salient point of her former success was that Germany concentrated on the manufacture of chemicals and dyestuffs, backed by its Government and supported by its bankers for many years, something like forty, while other countries did very little except to act as distributors of her wares.

Germany had forty years stood on the world. Her factories before the war were the largest by far in the world and the most up-to-date. The war period, although it extinguished her international commercial business, did not diminish in the least her capabilities of efficient production. In fact there is reason for stating that her factories are now on an even larger scale and more efficient basis than they ever were before, because the makers were called upon during the time of hostilities to make unprecedented efforts. Her scope of output today and her range of products are more complete.

For three years or more she has not been allowed to go forward. But despite the occupation by troops of her factories and towns in nearly all industrial areas and its attendant oppression and interference, she has

carried on quietly. Here we have a great country of over sixty millions of people whose industrial qualities are admitted to be of a high standard, who have specialized in the production of chemicals and dyestuffs for many years and they are now having their first opportunity of coming into the world's markets on equal terms with other nations.

Competition With Home Producers

It may be said that many countries who previously bought from Germany are now producing themselves. That may be so; it is so in this country, but will those home producers be able to stand competition of the severest nature? Germany will more or less give the stuff away to get a footing once more. It may be asked how can she do this? There again the answer lies in the matter of organization of factories in groups or syndicates. What the one loses, the others balance up and German banks will always do their best, a facility which very few other countries enjoy. Already in this country competition from Germany is in some evidence in respect of pharmaceutical and some industrial chemicals. Some twelve months ago British makers of certain products were actually shipping to Germany. Today German material is being sold here at prices to which the British have so far been unable to get down. And at the prices at which the German material is being sold here it is difficult to think they are not selling at a loss.

I mentioned previously that the difficulty experienced by German makers was not in obtaining export orders but in fulfilling them according to contract. The situation is much easier already and importers are now obtaining their shipments up to time and offers are much freer.

Export Business Vital to Life

In the countries of the world that matter as regards the manufacture of chemicals and dyestuffs there is, I suggest, not one that can do more than barely exist if their business is restricted to home demands. Unless they secure a good share of the world's seaboard business they will certainly not flourish. Those countries consuming chemicals which they do not produce will be the objective of the world's big manufacturers. In these markets conditions of competition will mostly be on a level footing, except some of the British colonies where

"It may perhaps seem to your readers that the views stated in this and the former article are sympathetic to Germany. For that reason, I would add that I am British born and served in France with the Allied forces from August, 1914, to January, 1918. I have endeavored not to overstate the position as I see it and do not wish to appear as a scaremonger; my object being to give a warning note."

—O. F. C. Bromfield.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 1406-1408

TIN SALT PRICES HIGHER FOR NOVEMBER

Rise in All Metals Strengthens Derivatives—Sodium Acetate Tending Higher—Caustic Potash a Firm Item—Arsenic Cheap for Shipment—Lead Salts Strong—Alkali Makers Hold Back on Contract Price Announcement—Buyers Delay Purchases Until After Election

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Tin Crystals, 2½c lb.
Tin Bichloride, 1¼c lb.

Advanced

Tin Tetrachloride, 2½c lb.
Ammonium Sulfate, 5c 100 lbs.

Declined No Declines

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial....lb.	\$1.11	\$1.11	\$1.11	\$1.294	\$1.194	\$0.7
Sulfuric Acid, 66 deg..ton	14.00	14.00	14.00	15.00	55.00	20.00
Ammonium Sulfate, 100lbs.	2.65	2.60	2.55	3.00	7.50	2.65
Bleaching Powder 100lbs.	1.90	1.90	1.90	1.90	9.50	1.90
Copper Sulfate, c/1 100lbs.	4.60	4.60	4.60	4.90	20.00	4.50
Potash Caustic, Imp....lb.	.0734	.0734	.0674	.07	.87	.08
Soda Ash, 50 p.c...100 lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100 lbs.	3.66	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate..lb.	.0834	.0834	.0834	.0874	.63	.0634
Sodium Prussiate, Imp.lb.	.0094	.0094	.0094	.134	1.23	.18
Average	2.911	2.906	2.900	3.041	10.79	2.99

The week preceding the national presidential election was one of little interest and mild activity in industrial chemicals. The majority of buyers had evidently made up their individual minds to struggle along as well as possible on their old stocks and to withhold buying until after election. As a result there was little doing in the chemical trade aside from the routine sales of moderate quantities. What will happen after election remains to be seen but if no perceptible increase in business develops it will probably be attributed to the approach of inventory taking and annual holidays. The trade can now expect the announcement of contract prices for alkalis and bleaches for next year. While no changes are anticipated in the trade, buyers have hesitation about committing themselves until they are absolutely sure of the political policy of the country for the next four years. The general situation in chemical prices shows practically no change. The undertone is good and prices have been firm in the majority of products. The rise in metal prices has strengthened metal derivatives and in the case of tin salts a higher schedule of prices is announced for November.

Acid Acetic—While no large business is reported in this item the total volume has been gratifying. Prices are steady with makers holding 28% at \$3.12@\$3.37 as to quantity in bbls.; 56%, \$5.85@\$6.10; glacial, \$11.01 @ \$11.76.

Acid Formic—Imports have been increasing and with keener competition prices are easier. Sellers quote 11c@12c lb. as to grade and quantity. Imports for September were 143,446 lbs. against 78,518 lbs. in Aug.

Acid Lactic—Increased cost of production due to the high corn market is making for higher prices. Makers now quote dark, 22%, 5c@5½c lb., and light, 6c@6½c lb.; 44%, dark, 10½c@11c lb., and light, 12½c@13c lb.

Ammonium Sulfate—In limited supply due to smaller production and prices firm at \$2.65@\$2.70 for bulk at works. For export in double bags up to \$3.00 is named.

Arsenic—While no interest is being shown in this item quotations from Japan for shipment over the next few months are heard at 6c lb. Occasional sales are reported on spot at prices ranging from 6½c@7c lb.

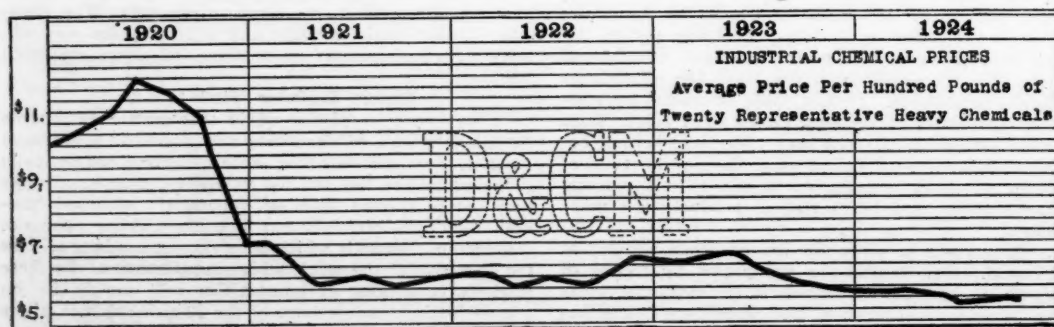
Barium Products—Demand for chloride and carbonate has been lacking and forced sales of imported material have weakened the market. The chloride is offered down to \$70 ton for imported and the carbonate, \$54@\$55 ton. Domestic producers cannot compete with these prices but are down to \$72.50 for chloride and \$64 ton for carbonate, works.

Calcium Arsenate—Buyers are not yet ready to look ahead. The large carry-over will no doubt make for a low market next year and keep out many makers. Prices are nominal around 8c lb.

Bleaching Powder—No new developments expected until after election. Makers reported a good month in October. A little uncertainty surrounds 1925 prices owing to the low prices at which many buyers have been receiving supplies this year. Present prices are firm, however, contracts have been reported at the present schedule. Makers' prices, \$1.90 in carlots of large drums at works.

Copper Sulfate—A little forward business is beginning to come in for agricultural use. Industrial demand is dull, however. Prices hold at \$4.65@\$4.90 for domestic, and \$4.40@\$4.50 for imported.

Potash Caustic—Prices are being maintained at the recent advance. Spot price range from 7½c@7½c lb. according to seller and quantity. Shipments named at 1¼c lb. Consumption is increasing as shown in im-



ports for Sept., 802,495 lbs. as against 570,791 lbs. in Aug. The total for the 10 months of 1924 were 8,229,062 lbs.

Potassium Bichromate—Contract and current business moving at 8½¢@8¾¢ lb., according to seller and quantity.

Potassium Permanganate—Moving at 13¢@13¼¢ lb. for domestic and imported, spot.

Soda Ash—The trade is awaiting the announcement of contract prices for 1925. Both consumers and sellers have been waiting for election results before going ahead with next year's business. Former prices were still in effect with 58% light ash in carlots, works, on contract, \$1.38 in bags, and \$1.63 in bbls.

Soda Caustic—Former prices were still in effect pending the announcement of 1925 prices which are expected shortly after election results are known. Solid material was unchanged at \$3.10 at works on contract. Spot business continued at \$3.76@3.91, delivered for l.c.l. lots.

Sodium Acetate—Showing a stronger tone with sales at 5c lb. for a small lot. Supplies are not large but a quantity order might be done at 4½¢ lb.

Tin Crystals—Following the rise in tin during Oct. makers have advanced the schedule for tin salts. Crystals named at 37½¢ lb.; bichloride, 15c lb.; tetrachloride, 29½¢ lb. Tin oxide holding at 54¢@56¢ lb.

Metals

While the metal market has not advanced, practically all items are firm. Antimony is quoted higher at 12¢@12¼¢ lb. spot. Copper is unchanged at 13½¢@13¾¢ lb. spot for Lake, and 13½¢@13¾¢ lb. for electrolytic material. Lead is steady at 8.65¢@9.25¢ lb. spot, and 8.40¢@8.80¢ lb. at East St. Louis. Tin has advanced again and now quoted at 53c lb. for standard, and 52½¢ lb. for 99% material. Zinc is firm at 6.50¢@6.52½¢ lb. at East St. Louis.

GERMAN CHEMICALS AND DAWES PLAN

(Continued from page 1379)

there is a preferential tariff for British goods. It remains to be seen whether Germany, ideally situated and favored by the world's cheapest shipping freights, will succeed in recapturing this important business. I believe her methods will be such and her efforts so great that, unless the other European and Western countries realize the full seriousness of the position that is bound to arise in the near future, she will regain her pre-war position as the world's premier supplier of chemicals and dyestuffs, perhaps not to the full extent of her former activities, but sufficiently to make matters awkward for other countries. But, with a revival of Germany and, in consequence, of Europe, the world demand should grow considerably and it does not necessarily follow that competition from Germany will mean less business for other countries.

Whether there is going to be an industrial war or not I think it in the best interests of Europe and the world generally that Germany should be allowed freedom to pursue her activities. Other countries may suffer temporarily, but it will, I hope, be only one more phase in the process of recovery of the world to normal conditions. With normal and settled conditions there is room for all countries to pursue a useful industrial life that will give them a fair measure of prosperity. That position will never be reached by one section of humanity attempting to ostracise and oppress another section. In doing so they are going dead in the face of proved economic facts.

FERTILIZER CLAIMS ON GERMANY AWARDED

Awards of fifty-seven additional claims against Germany and the dismissal of fifty-five cases is announced by the Mixed Claims Commission. Among the awards were the following:

Etiwan Fertilizer Co., Charleston, S. C., \$27,407; Alabama Chemical Co., Montgomery, Ala., \$17,984; Savannah Guano Co., Savannah, Ga., \$1,360; Read Phosphate Co., Nashville, Tenn., \$21,628; Planters' Fertilizer & Phosphate Co., Charleston, S. C., \$54,193; Jefferson Fertilizer Co., Birmingham, Ala., \$24,956; Combahee Fertilizer Co., Charleston, S. C., \$16,990; Mutual Fertilizer Co., Savannah, Ga., \$854; Empire Cotton Oil Co., Wilmington, Del., \$1,048; Reliance Fertilizer Co., Savannah, Ga., \$1,363; Southern States Phosphate & Fertilizer Co., Savannah, Ga., \$1,337; Gulfport Fertilizer Co., Atlanta, Ga., \$27,683; F. S. Royster Guano Co., Norfolk, Va., \$88,508.

Federal Chemical Co., Louisville, Ky., \$8,470; Gulf Fertilizer Co., Tampa, Fla., \$81,210; International Agricultural Corp., New York, \$87,901; Armour Fertilizer Works, Chicago, \$44,544; Smith Agricultural Corp., Columbus, O., \$4,199; Niagara Alkali Co., Niagara Falls, N. Y., \$4,199; Darling & Co., Chicago, \$609; American Agricultural Co., New York, \$13,508; Piedmont-Mount Airy Guano Co., Baltimore, Md., \$7,514.

G. Ober & Sons, Baltimore, Md., \$1,321; Home Fertilizer & Chemical Co., Baltimore, \$167; Reading Fertilizer Co., Reading, Pa., \$484; Wilson & Toomer Fertilizer Co., Jacksonville, Fla., \$98; York Chemical Works, York, Pa., \$403; American Cotton Oil Co., New York, \$11,776; Miller Fertilizer Co., Baltimore, \$1,157; I. P. Thomas & Son Co., Philadelphia, \$961; Richmond Guano Co., Richmond, Va., \$527; Planters Chemical & Oil Co., Talladega, Ala., \$615; Albert D. Cummings and Howard Compton, Philadelphia, \$30,000; Francis J. McDonald, Philadelphia, \$45,000; G. H. Crowns, Kewaunee, Wis., \$225; Jacob Menist, New York, \$2,440.

The Guggenheims have opened offices in Manchester, England, in anticipation of increased European copper business, particularly with Germany, within the next few months. The move is expected to develop into a fight for the control of the world's copper business between the Guggenheims and the Anaconda interests represented by the Copper Export Association.

The National Council of American Importers and Traders, of New York, has filed a notice in the District Court of Appeals for leave to intervene in the proceedings brought by Norwegian Nitrogen Products Co. against the Tariff Commission. The action is begun to obtain a decision on the constitutionality of the flexible provisions of the Tariff Act.

The Interstate Commerce Commission has suspended until March 1 the operation of certain railroad schedules which propose to increase from 26c to 38½¢ per 100 lbs. the import commodity rates on nitrate of soda and nitrate of lime in carloads from Gulf ports to Alto Pass, Anna and Cobden, Ill.

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids on Nov. 11, for 80,000 lbs. of sulfate of alumina for the Great Lakes, Illinois Naval Training Station.

J. S. Whittington, formerly with the fertilizer brokerage firm of Levering & Levering, Baltimore, is now with Ashcraft Wilkinson Co., New York.

R. F. W. Young, formerly of Brown Edwards Co., Inc., is now in charge of the oil department of the New York office of Ellis Jackson & Co.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 1406

SLOWER DEMAND FOR COAL TAR CRUDES

Pyridine Sold at Lower Prices—Benzol Buying Lighter
 —Production Increasing Slightly—Cresylic Acid Continues Easy—Phenol Moving Regularly—Aniline Oil Holding Improved Activity—Ortho-nitrotoluol Active—Dyes and Intermediates Improving Moderately

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced					Declined				
	No Advances					Pyridine, 20c gal.				
	Trend of the Market					Trend of the Market				
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War	Today	Last Week	Last Month	Last Year
Benzene, pure	gal. .25	.25	.25	.23	\$1.10	.25				
Naphthalene, flake	lb. .05	.05	.05	.06½	.16	.03				
Phenol, Spot	gal. .25	.25	.25	.26	1.50	.08				
Toluene	gal. .26	.26	.26	.25	..	..		
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10½				
Alpha-naphthylamine	lb. .35	.35	.35	.35	1.28	..				
Benzaldehyde	lb. .70	.70	.70	.75	..	..		
Betanaphthol	lb. .26	.26	.26	.21	1.50	.08				
Dimethylaniline	lb. .35	.35	.35	.40	1.30	..				
Paranitroaniline	lb. .68	.68	.68	.73	1.58	.18				
Average	0.331	0.331	0.331	0.340	..	..		

Dyes and intermediates continue to show moderate improvement from week to week. While no large sales are taking place the increased consumption of small lot purchases has been increasing the total volume of business during the past month. As in all other lines of chemicals and allied products, the week preceding the national election was characterized by lack of buying interest and the market presented no new features in the price situation. Demand for crude coal and coal tar by-products has shown a slight recession. In the case of benzol and the other light oil distillates, in spite of the small production, stocks were sufficient to meet the slower demand. Reports from the coking districts indicate slightly increased production of coke and increased demand from the steel mills. What will happen after election remains to be seen but many factors in the trade are anticipating considerable increase in size as well as in the number of orders. The price situation remains as stable as ever. If any change comes it is predicted that it will be upward since present prices have apparently reached their lowest levels and further revisions downward are stated to be impossible.

CruDES

Benzene—A perceptible slowing up in demand has taken place and the tension between supply and demand

has been relieved. While no surplus stocks are in sellers' hands, buyers are having less difficulty in locating material for immediate shipment. No material increase in production is reported though indications are that increased production will soon be under way. Steel mills are showing steady gains in production which means increased coke consumption and consequently increased coke and benzol production. Sales continue at recent schedule of 25c for pure in tanks at mills and 30c in drums; 90% benzol holding at 23c in tanks and 28c in drums, mills.

Cresylic Acid—Buyers are showing no great desire to take more than small quantities while sellers are somewhat eager to move their stocks. Some low offerings have been reported but quotations on pale acid are generally from 60c@70c per gal. according to grade.

Naphthalene—No important developments have taken place. Occasional sales are reported and prices continue at the recent low levels in view of the lack of buying interest. Flake is held at 5c lb., and balls, 5¼c lb.; chipped named at 4½c lb.

Phenol—While no heavy demand is noted, sufficient buying is taking place to keep present makers sold several weeks in advance. Spot stocks are none too large and prices continue firm at 25c@26c lb., according to quantity.

Pyridine—The buying season should be getting under way soon but as yet has shown no indications of moving in larger quantities. A desire to move material in some quarters has brought out offerings at \$3.85, spot, while in others, \$4.15@4.20 is still quoted. Shipment prices are reported around \$4.10 per gallon.

Solvent Naphtha—Occasional sales are reported below the market which is reported at 24c@25c per gal. in tanks, mills, and 5c higher in drums.

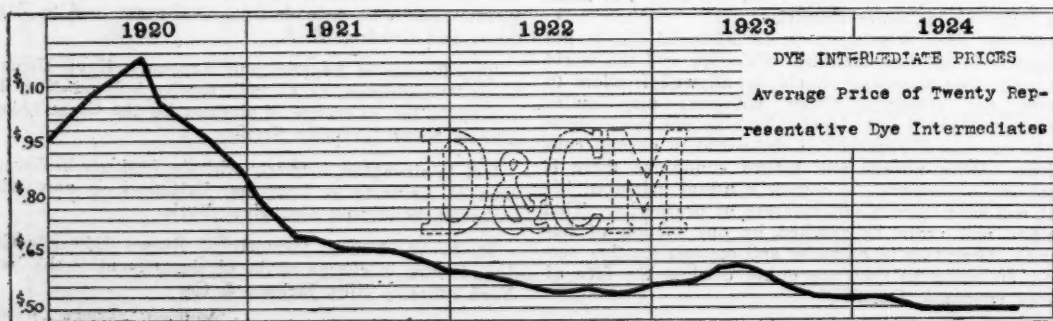
Toluene—The outlook is for increased consumption but present demand is being met at former prices of 26c in tanks, mills, and 31c in drums.

Intermediates

Acid H—Continues to move on a somewhat broader scale at former prices of 72c@75c lb. as to quantity.

Acid Gamma—Fair buying reported in some quarters. Prices are holding at \$1.45@1.50 lb.

Aniline Oil—Buying continues on a good scale with demand from the various consuming industries showing no signs of abating. Makers are holding prices at 16c@17c lb. according to quantity.



Benzidine—Buyers are showing more interest in the base and deliveries are reported to be increasing. Held at 78c@80c lb.

Beta-naphthol—Makers are maintaining their former schedule of 25c@26c lb. according to quantity. Purchases are confined to moderate quantities but the orders are reported more numerous.

Dimethylaniline—Holding at 35c@37c lb. on fair demand.

Diethylaniline—Makers continue to quote 58c@61c lb. A stronger undertone is noticeable due to increased manufacturing costs.

Ortho-nitrotoluene—Firm due to increased consumption. Quoted 8c@8½c lb.

Ortho-toluidine—Higher tendencies but still named at 14c@15c lb.

Para-toluidine—Held at 75c@80c lb. on light demand.

Phthalic Anhydride—Moving steadily and named at 23c@25c lb.

FRENCH-GERMAN DYE PACT DENIED

No agreement between French and German dye interests exists at the present time, according to Commercial Attache Butler, of Paris, who was instructed by the Department of Commerce to investigate reports which declared that the Kuhlmann interests had entered into an agreement.

"Prior to the acquisition of the Compagnie Nationale Des Matieres Colorantes by the Kuhlmann interests," Mr. Butler said, "the Compagnie Nationale did have an agreement with the German dye manufacturers whereby they made large use of German patents. In July, after the Compagnie Nationale had been taken over by the Kuhlmann people, at a meeting held in Paris with representatives of the German manufacturers, the agreement was broken off abruptly."

Mineral colors are in better demand at Milan, Italy, owing to the greater activity of the paint works, and the orders from the ship constructors and repairers at Genoa, Trieste and Venice. Prices are as follows per 100 kilos. Italian zinc white, lire 380 to 475; foreign zinc white, lire 450 to 550; Italian lithopone, lire 290 to 325; chrome yellow, lire 750 to 1,250; English mineral reds, lire 100 to 150; Paris blues, lire 1,800 to 2,800; ultramarine blue, lire 500 to 1,200; ivory black, lire 300 to 900; red earths, lire 60 to 90.

Monsanto Chemical Works, St. Louis, have issued an announcement on high boiling cresylic acid. The distillation range is stated to be 90 per cent between 230° and 250° C. and the phenol co-efficient, 20, by the Rideal-Walker method. It is recommended for use in the manufacture of animal dips, raising the co-efficient of lower gravity tar acids, and in compounding high co-efficient disinfectants.

The French production of aniline dyes for 1924 is expected to reach 95% of the needs of that country. The amount of dyes produced in France in 1920 was 7,056 tons; in 1921, 8,067 tons; in 1923, 10,000 tons. And the amounts imported from Germany were, in 1920, 5,880 tons; in 1922, 1,797 tons; in 1923, 1,371 tons.

Imports of dyeing and tanning materials into Canada during August were valued as follows: From Britain, \$9,519; United States, \$185,305; other countries, \$55,168. Total \$249,992; compared with imports in August, 1923: From Britain, \$14,908; United States, \$229,407; other countries, \$40,485; total \$290,890.

Owing to the war in China German dye manufacturers have lost one of their largest markets for indigo colors and one leading plant has been forced to shut down its indigo section.

FIND ERROR IN FEDERAL DYE BRIEF

Government Alleged That German Patents Were Sold by Garvan, Which Is Not True

The brief filed by the Chemical Foundation in the U. S. Circuit Court of Appeals at Philadelphia, last week, in answer to the printed argument filed by the Government prepares the case for trial on Monday next, Nov. 10. Should the Government ultimately win its suit, the whole purpose for which the patents were assigned to the Foundation, that of benefiting and improving and promoting the dye and chemical industry in this country, will be destroyed, the brief states; for the patents either will be returned to their German owners, or, if sold again, will either fall into the hands of a German agent, a speculator, or be acquired by American manufacturers who would be in a position to monopolize the dye and chemical industries.

The Chemical Foundation declares that the confiscation of the German patents broke up a gigantic web of German espionage, sabotage, and propaganda, which agents of the alien property custodian discovered many of the industries were being used for instead of the business they appeared to be doing on the surface, it is asserted. The machinations of numerous German agents, including Count von Bernstorff, the German ambassador, form a vivid picture in the brief. Bernstorff is alleged to have sent orders to his Government for an embargo on dyes and chemicals, to force America into a position to intercede with England for a relaxation of the blockade, and a hint was given President Wilson that unless the blockade was lifted, 4,000,000 men would be thrown out of work through the embargo Germany would place.

The brief corrects what it declares is an error in the Government brief. The Government charged that Francis P. Garvan, president of the Foundation, sold the patents to it while he was alien property custodian. This is not correct, the brief asserts, adding they were sold by Mr. Palmer. The names of Moorfield Storey, Joseph H. Choate, Jr., William G. Mahaffy, and Seiforde M. Stellwagen, appear on the brief as counsel for the Chemical Foundation.

Imports of aniline and coal tar dyes by Canada, during August were: From Britain, 18,938 lbs. value \$5,580; United States, 67,997 lbs., value \$47,020; Germany, 14,812 lbs., value \$15,360; Netherlands, 4,626 lbs., value \$4,531; Switzerland, 9,050 lbs., value \$7,178; other countries, 1,027 lbs., value \$603; total, 117,350 lbs., value \$80,281, compared with imports in August, 1923: From Britain, 30,273 lbs., value \$12,945; United States, 155,226 lbs., value \$84,740; Germany, 36,200 lbs., value \$24,817; Netherlands, 10,054 lbs., value \$9,598; Switzerland, 11,287 lbs., value \$7,865; other countries, 1,827 lbs., value \$489. Total 245,567 lbs., value \$140,554.

The Color Card Committee of the National Knitted Outwear Association in conjunction with the Textile Color Card Association has selected the twelve following colors for Spring in expectation of a white season: pompadour, a light, clear blue; Marmora, a water green; Lido, a light sand; tangle pink, a rose pink; Castilian red, a Spanish red; wild orchid, sea green; bluet, a light cornflower shade; Spanish yellow, a gold shade; terrapin, a golden brown; zinc, a soft gray, and corn, a light yellow. Color cards depicting these shades in knitting yarns will shortly be ready for distribution.

The October issue of "Dyestuff," published by National Aniline & Chemical Co., contains articles on the dyeing of slubbing, cause of fuzziness in silk dyeing, difference in dyeing properties of cotton, flax and hemp, cheap shoe leather, and degreas.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 1423

LINSEED OIL HIGHER FOR FUTURES

Reaction in Flaxseed Accounts for Stronger Oil Market
—Chinawood Oil Recovers After Slump—Cottonseed Oil Steady—Olive and Palm Oils Firm on Limited Supply—Tallow Easier—Fish Oils Scarce and Prices Firm—Turpentine and Rosins Lower

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Chinawood Oil, spot, $\frac{3}{4}$ c lb. Linseed Oil, Nov., 2c@3c gal.
fut., $\frac{3}{4}$ c lb. Dec.-Apr., 2c gal.
Neatsfoot Oil, 20°, $\frac{3}{4}$ c lb.

Declined

Grease, house, $\frac{3}{4}$ c lb. Turpentine, 2c gal.
Tallow, $\frac{3}{4}$ c lb. Rosins, 10c@15c unit
Tallow Oil, $\frac{3}{4}$ c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Cod Oil, N. F.....gal.	\$.62	\$.62	\$.62	\$.68	\$1.26	\$.26 $\frac{1}{2}$
Degras, American, bbl..lb.	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.04 $\frac{1}{4}$	.03 $\frac{1}{4}$	.28	.03 $\frac{1}{2}$
Lard No. 1.....gal.	.96	.96	.92	.79	2.90	.92
Menhaden, crd. tks.....gal.	.54	.54	.50	.47 $\frac{1}{2}$	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.85	1.85	1.81	1.24	3.45	.98
Red Oil, distilled.....lb.	.10 $\frac{1}{2}$	.10 $\frac{1}{2}$	.09 $\frac{1}{2}$	.09 $\frac{1}{2}$	.17	.07
Stearic Acid, T. P.....lb.	.13 $\frac{1}{2}$	.13 $\frac{1}{2}$	.13	.14 $\frac{1}{4}$	.38	.12
Coconut, Ceydon, bbls..lb.	.11 $\frac{1}{4}$	.11 $\frac{1}{4}$	.10 $\frac{1}{2}$	.10	.90	.14
Cottonseed, crude, tks..lb.	.08 $\frac{3}{4}$	.08 $\frac{3}{4}$	.09 $\frac{1}{4}$	.10	.28	.08
Linseed, crude.....gal.	1.05	1.06	1.01	.92	1.85	.57
Olive, denatured.....gal.	1.30	1.30	1.25	1.10	4.80	1.05
Peanut, refined.....lb.	.17	.17	.17	.15 $\frac{1}{2}$	.30	.08
Soya Bean, bbls.....lb.	.13 $\frac{1}{2}$	.13 $\frac{1}{2}$	.13	.11	.19 $\frac{1}{2}$	.07
Average	0.503	0.503	0.490	0.455	1.30	0.362

While a fair volume of business was recorded during the week, consumers showed a lack of buying interest which tended to further arrest the upward swing of prices in miscellaneous oils, tallow and greases. The higher values which have been reached have caused buyers to withdraw from the market and allow prices to recede again before they can be interested in any quantity purchases. Sellers, however, apparently feel secure in the thought that no great reaction will set in owing to the meagre offerings in primary markets as well as in spot position. The approach of the national election may also have caused buyers to postpone business until after Nov. 4 though no good reason can be advanced for the hesitancy except that it has become the policy in other trades. Following an upward price reaction in flaxseed, crushers have advanced quotations on linseed oil for future delivery. Chinawood oil has shown a reversal and is now in a stronger position. Tal-

low has receded from the high mark reached in the previous week. Turpentine and rosins have declined.

Vegetable Oils

Castor Oil—Holding firm at the recent advance. The seed market is stated to be strong. Crushers quote No. 1, 17 $\frac{1}{2}$ c lb., and No. 3, 17c lb.

Chinawood Oil—Improved inquiry has halted the downward trend of prices and spot prices have recovered some of the ground recently lost. Spot prices named at 15 $\frac{1}{2}$ c@16c lb. in cooperage. Forward arrival, N. Y., 14c@14 $\frac{1}{4}$ c lb.

Coconut Oil—Steady consuming demand at firm prices. Ceylon spot at 9 $\frac{3}{4}$ c lb. in tanks and 11 $\frac{1}{4}$ c lb. in bbls.; Cochin, 10 $\frac{1}{2}$ c lb., tanks, and 12c lb. bbls.; Manila, 9 $\frac{3}{4}$ c lb., spot tanks, and 9 $\frac{1}{2}$ c lb., Coast.

Corn Oil—Steady volume of business with prices holding at recent levels of 10 $\frac{1}{2}$ c lb. for crude in buyers' tanks, mills; refined, 13 $\frac{1}{2}$ c lb., spot.

Cottonseed Oil—Trading has been quiet but prices have been holding steady for P.S.Y. between 10 $\frac{1}{2}$ c@11c lb. as to position. Crude oil is a trifle higher at 8 $\frac{3}{4}$ c@8 $\frac{1}{2}$ c lb. in tanks at mills. Refined, 13c lb.

Linseed Oil—A change in the flaxseed market has caused crushers to advance their future delivery prices from 2c@3c per gallon. Spot oil is held at \$1.06 in carlots and less cars, \$1.09. Nov. deliveries advanced to \$1.02@\$1.03 in carlots. Dec.-April, advanced to \$1.00 gal. London linseed oil is higher, 46s. Antwerp, 405f. Nov. Winnipeg flaxseed, \$2.24, and Dec., \$2.20; Minneapolis, \$2.45 and \$2.48; Duluth, Nov., \$2.49. Buenos Aires, \$2.14 $\frac{1}{2}$.

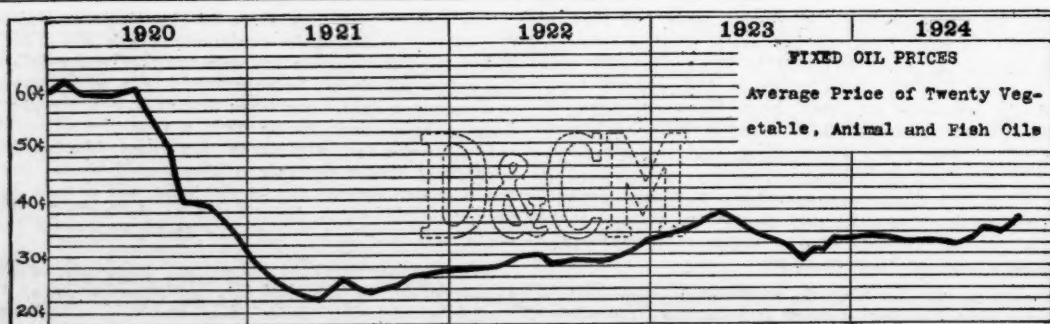
Olive Oil—One authority is predicting a heavy crop this year or equal to last year. The last crop was small, however, and oil scarcity is keeping prices up. Commercial oil selling at \$1.30@\$1.35. Foots firm at 9 $\frac{1}{4}$ c@9 $\frac{1}{2}$ c lb. for spot and 9 $\frac{1}{2}$ c@9 $\frac{3}{4}$ c lb. for shipment.

Palm Oil—In limited supply and with demand good prices are firm, 9c@9 $\frac{1}{4}$ c lb. for Lagos and 8 $\frac{1}{2}$ c lb. for Niger.

Soya Bean Oil—Supplies are scarce and prices firm. Crude in tanks named at 11 $\frac{1}{4}$ c lb., Coast, and bbls., 13 $\frac{1}{2}$ c lb., spot, for crude.

Animal Oils

Greases—Generally firm though house is a trifle easier. Yellow, 8 $\frac{3}{4}$ c lb.; brown, 8c lb.; house, 8 $\frac{1}{2}$ c lb.



Neatsfoot Oil—Holding firm at recent higher values. Extra, 13¼c lb.; pure, 15¼c lb.; and 20°, 18¼c lb.

Red Oil—Consumers are busy and taking good quantities regularly. Prices are naturally firm owing to the high raw material market. Named at 10¼c@10½c lb. for saponified and distilled.

Stearic Acid—Demand is reported active and prices are holding at the recent advance. Single pressed, 11c @11½c lb.; double pressed, 11½c@12c lb.; triple pressed, 13½c@14c lb.

Tallow—Has receded from its recent high mark and sales are reported at 9½c lb. for the city extra.

Fish Oils

Cod Oil—Routine demand for moderate quantities. Prices are firm with an upward tendency provided demand improves. Tanks named at 55c@57c gal., spot, and barrels, 62c@65c gal.

Menhaden Oil—Crude oil is practically off the market as few sellers have anything to offer. Producers are asking 55c@60c gal. at works, but sales are recorded from 54c@55c gal. Refined oils are holding at 68c@70c for light strained, spot, 71c@72c lb. for yellow bleached.

Naval Stores

Turpentine—After a temporary recovery in demand and advances in prices, the market is again easier. Both domestic and foreign demand has quieted down. Spot spirits in carlots named at 86c@87c gal. Savannah reported 81c and dull.

Rosins—The recent rise has been checked and with demand moderating prices have declined in all the common grades. The better grades continue strong, however. Quotations, New York: B to M, \$7.40; N, \$7.60; WG, \$8.25; WW, \$9.00.

TURPENTINE AND ROSINS LOWER

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Nov. 3.—Turpentine closed firm, 79½c, showing a decline of 2c during the week. Interest has been lacking and business has not been sufficient to take the daily offerings. Business has been distracted by the coming national election and little improvement is expected this week for the same reason. Daily receipts are falling off and this should make for a higher market if any demand develops. Receipts for the week, 2,491 bbls.; sales, 1,561 bbls.; shipments, 3,566 bbls.; stock, 11,179 bbls.

Rosins closed the week unsteady following declines in nearly all grades. Though foreign demand has kept up, domestic interest has been lacking probably due to the approach of elections. A recovery in buying and higher prices appear likely later in the month. Receipts for the week, 9,857 bbls.; sales, 8,560 bbls.; shipments, 26,123 bbls.; stock, 80,997 bbls.

Jacksonville, Nov. 1.—Turpentine closed firm 80½c and with a higher tendency on the refusal of bids at 80¾c. Stock, 20,336 bbls. Rosins closed firm at lower prices but sellers are expecting a quick recovery. Stock, 108,992 bbls.

Argentine flax area for this season is reported now at 5,906,000 acres compared with 5,255,000 acres last year, according to a revised estimate by the International Institute of Agriculture at Rome to the Department of Agriculture.

Robinson & Stevens, naval stores, New York, dissolved partnership by mutual consent Nov. 1, George H. Stevens retiring. U. M. Robinson will continue the business under his own name.

Thompson, Hayward & Schlueter, Kansas City, Mo., announce that they are now representing Wm. O. Goodrich Co., Milwaukee, Wis., on raw and boiled linseed oil.

EXPECTS LARGER OLIVE OIL OUTPUT

John B. Gordon, Washington representative of the Bureau of Raw Materials for American Vegetable Oils and Fats Industries, who returned from Europe last week, says regarding the probable olive oil production for the 1923-24 crop year: "The next olive oil crop in the Mediterranean basin, I believe, will be somewhat larger than that of the past crop year. Spain will produce about the same amount of oil as that produced last year. Italy will produce considerably more and the smaller producing areas should just about equal their last year's production figures. Should they not do so, however, the total production figures for the entire basin will not be much affected, as Algeria, Greece, etc., are small producing factors."

"The prices which producers abroad believe they can obtain are vastly higher than should be paid by American buyers if they use discretion. There will be an abundance of sulphur olive oil and if American buyers do not cause an unreasonably high range of initial purchase prices to be paid for 'sanse' in Italy, our principal source of sulfur olive oil supply, the price of sulfur olive oil during 1924 will be moderate and reasonable. Sulfur olive oil buyers will do well to mark time before making purchases not absolutely necessary."

"I cannot too strongly stress the importance of not allowing unwise, premature buying from America to establish an artificially high figure for 'sanse,' which is of course nothing more than the olive oil pulp and seeds."

Judge McClelland, of the Board of U. S. General Customs Appraisers, has decided in favor of the United States in the case of International Forwarding Co. which protested against soap covered with a substance which makes it impervious to water, being assessed at 60 per cent ad valorem under Paragraph 1419 of the 1922 act. The plaintiff claimed that the goods were taxable at 15 or 30 per cent ad valorem under Paragraph 82 of the 1922 act, or at 20 per cent ad valorem under Paragraph 1459 of the 1922 act, but the claim was disallowed.

Sustaining a protest filed by Charles T. Smith, the Board of Customs Appraisers has ruled that varnish containing mercury and treated oil containing mercury are not "other mercurial preparations" within the meaning of Paragraph 17, act of 1922, but are properly classifiable under Paragraph 58 of this act as "combinations and mixtures of animal, vegetable or mineral oils." Duty assessed under Paragraph 17 was 45 per cent ad valorem, but under the proper classification in Paragraph 58 duty is assessed at only 25 per cent.

In six of seven lots of rosin inspected under the Federal Naval Stores Act, approximately 1,200 barrels of pale rosins were misgraded, some of the barrels containing as many as three grades. From 60c to \$1.50 per barrel would have been lost had the material not been inspected by the Bureau of Chemistry of the Department of Agriculture.

Judge McClelland of the Board of U. S. General Appraisers has ruled in favor of Bernard, Judae & Co. in the case of certain perfumed soaps in the form of lemons, deciding that they should have been taxed 30 per cent ad valorem under Paragraph 82 of the Act of 1922, instead of 60 per cent ad valorem under Paragraph 1419 of the Act.

The Foreign Trade Bureau, Philadelphia Commercial Museum, Philadelphia, has received an inquiry (42708), from San Juan, Porto Rico, for soap.

Moses H. Hirshberg, for many years with Hirshberg Paint Co., Baltimore, died on Oct. 24 after a brief illness.

Chemicals for Consuming Industries

Heavy Chemicals, page 1408, Tan and Dyestuff, page 1425, Fatty Oils, page 1423

PRICES STRONG AS ELECTION PASSES

Sellers Cite Heavy Carloadings and Rising Commodity Prices as Indicators That Chemicals Will Go Up During November—Buyers Apathetic and Will Be Until Prices Begin to Rise

The passing of Election Day did not make a ripple in the chemical market, which was just as everybody had expected. Prices neither dropped nor rose on Wednesday morning, but continued the even tenor of their way, reflecting the same underlying strength which was apparent last week. Most everybody was bullish on business in general, and chemical sellers cited heavy carloadings and rising commodity prices as indications that chemical prices are likely to advance during November. If—and this is the hitch—buyers cover for November-December spot needs freely as per expectations and predictions, prices seem headed upward. Up until the present, however, buyers have continued apathetic and, according to some sellers, will continue so until prices actually show a sustained upward movement. Unquestionably, at current levels, chemicals comprise the cheapest group of all basic raw materials when compared to the big commodity markets.

Agricultural Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid Sulfuric, 66° .....ton	\$14.00	\$14.00	\$14.00	\$15.00	\$65.00	\$20.00
Ammonium Sulfate, 100lbs. ....lb.	2.60	2.60	2.45	3.00	7.75	2.65
Arsenic .....lb.	.0634	.0634	.0734	.12	.18	.04
Copper Sulfate .....100 lbs.	4.60	4.60	4.60	5.00	20.00	4.50
Potash Green .....25	.25	.25	.25	.29	.50	.11
Potash Muriate, 90% ..ton	31.10	31.10	31.10	35.55	45.00	39.57
Potash Sulfate, 90% ..ton	41.27	41.27	41.27	45.67	440.00	48.07
Phosphate Rock, 68% ..ton	2.25	2.25	2.25	3.25	11.00	3.00
Phosphate, Acid, 16% ..ton	9.00	8.75	8.25	8.00	21.00	15.00
Sodium Nitrate .....100lb.	2.38	2.40	2.45	2.45	5.00	1.90
Average	10.759	10.794	10.677	11.780	103.50	13.94

No important developments took place in fertilizers during the week. Buying continued on a conservative scale with sales confined to routine quantities. Shipments and deliveries on contracts were going out regularly. Supplies of fish scrap are practically off the market. Ammonium sulfate is also in limited supply. Sodium nitrate is dull.

Ammoniates—Blood continues at recent levels of \$3.75 @ \$3.90, New York; fish scrap is in such small supply that prices are firm for supplies available; dried scrap held at \$4.80 and 10 at the works, while acid scrap is not available; tankage is in routine demand with New York stocks held at \$3.45 and 10 and high grade at Chicago, \$3.80 and 10.

Ammonium Sulfate—The limited supplies and production are keeping the market strong though current business is not heavy. Deliveries on contracts are keeping stocks at a minimum. Producers are quoting bulk at \$2.65@ \$2.70 at the works.

Sodium Nitrate—Buyers are manifesting little interest in the market. Supplies are plentiful and prices none too firm. Spot quotations at \$2.38@ \$2.40 as to seller and quantity.

Acid Phosphate—Producers are firm in their quotations of \$9.00 for the guaranteed 16% material, Baltimore. Other quotations are heard down to \$8.50.

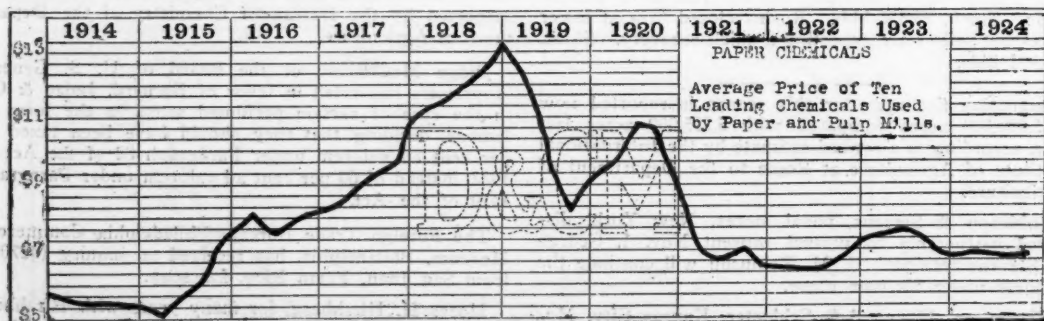
Potash Salts—No new developments. Shipments are arriving regularly on former accounts, while new business is spasmodic. Prices are steady with potassium muriate, \$34.55 ton, basis 80%; sulfate, 90%, \$45.85; manure salt, 30%, \$26.35. Discounts, 10% for 500 tons; prices f.o.b. Atlantic and Gulf ports.

Insecticides and Fungicides

Arsenicals—No interest is being displayed in next season business. The carry over of calcium arsenate is heavy and producers are not in a hurry to begin manufacture nor are buyers ready to contract. In arsenic prices for shipment of Japanese arsenic are reported at 6c lb. for shipment over the next two months. Spot business is quiet with occasional sales at 6½c@7c lb.

Copper Salts—Copper sulfate is passing through a quiet period though orders are beginning to drift in for supplies to be shipped next Spring. Domestic makers are holding at \$4.60@ \$4.90 according to quantity, while imported is offered at \$4.40@ \$4.50. Copper carbonate is quiet with makers holding at 16c@17c lb.

The Tanners Council will meet in Cincinnati on Wednesday and Thursday, Nov. 19 and 20. Headquarters will be at the Hotel Gibson and the Business Men's Club will be open to members of the council.



INDUSTRIAL CHEMICAL SECTION

Leather Chemicals

Trend of the Market

Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid, Formic, 90% .....	.12	.12	.13	.12½	1.50½	.07
Acid, Lactic, 22% dark .....	.05	.05	.06	.04½	.07	.02
Potassium Bichromate .....	.08¾	.08¾	.08¾	.09½	.65	.06¾
Epsom Salt, tech.	1.70	1.70	1.70	1.75	3.75	1.00
Sodium Prussiate, Imp. ....	.09¼	.09¼	.09¼	.13½	1.25	.18
Soda Ash, 55% wks.	1.38	1.38	1.38	1.45	4.10	.60
Sodium Bichromate .....	.06¾	.06¾	.07	.07½	.45	.04¾
Sodium Hyposulfite, pra.	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks. ....	.03½	.03½	.03½	.03½	.10¼	.02½
Average .....	.925	.925	.925	.989	3.267	.528

Demand for leather chemicals for immediate consumption was restricted to the usual small quantities. No important activity is taking place except the annual contracting business in bichromates. The price situation is practically unchanged in chemicals, tanning materials and oils.

Acids—Carboy business continues along the recent improved scale. No changes have been made and the following quotations are in effect: Acetic acid, 28%, \$3.12@3.37; formic acid a trifle easy at 11c@12c lb.; lactic acid is firm owing to increased costs of production; 22% dark, 5c@5½c lb.; light, 5c@6½c lb.; 44%, dark, 10½c@11c lb., and light, 12½c@13c lb.; oxalic is weak, though spot named at 9½c@10c lb.; imported offered at 9c lb. for shipment; mineral acids are unchanged.

Alkalis—Pending election results makers have refrained from announcing contract prices for next year. The trade is anticipating no change from the present schedule, but consumers are marking time until after

election before committing themselves to contracts. The present schedule for soda ash calls for \$1.38 per 100 lbs. for 58% light in carlots of bags at works on contract, and barrels, \$1.63. Caustic soda, 76% solid, named at \$3.10 in carlots on contract at works. Spot business in l.c.l. quantities as named at \$2.04@2.19 in bags, delivered, and barrels \$2.29@2.41. Caustic soda, solid, \$3.76@3.91, and ground and flake, \$4.14@4.31, delivered.

Chemicals—Bichromates are holding at the recent lower schedule. Makers have been placing contracts at prices ranging from 6½c@6¾c lb. for the sodium salt and 8½c@8¾c lb. for the potassium; red arsenic holding at 15c@15½c lb.; sal ammoniac is easy at 6c@6¼c lb., spot, for imported; Glauber's salt moving at \$1.25@1.50; Epsom salt, imported, at \$1.35, and domestic, \$1.75; formaldehyde, 9¼c lb.; sodium hyposulfite unchanged at 2½c@3c lb.; sodium sulfide crystals moving well at 2¼@2½c lb.

Tanning Materials—Little real interest is being shown in tanning materials. Supplies are limited in a number of items owing to recent small imports due to lack of demand. Gambier continues scarce and strong and quoted up to 20c lb. for common; sumac supplies are small with prices holding at recent values of \$165@170 ton; myrobalans continue at \$42@45 ton; wattle bark, \$37@39 ton; quebracho extract is firmer at 3c lb. for liquid and 4½c@5c lb. for solid and clarified.

The Federal Reserve Bank of Boston in its November review of business conditions, speaks cheerfully. "Improvement has been felt by most of the New England leather manufacturing plants. Activity is on a larger scale than in the previous month."

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PLANTS Marquette and Antrim, Mich.

Paper Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$3.50	\$1.50
Bleaching Powder	1.90	1.90	1.90	1.50	9.50	1.50
Casein	10%	10%	10%	15%	28	20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05½	.05½	.05½	.04½	.50	.08
Salt Cake	19.00	19.00	19.00	21.00	80.00	11.00
Sodium Silicate, 40° .....	.80	.80	.80	.80	1.75	2.00
Soda Ash	1.38	1.38	1.38	1.45	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	7.30	7.55	6.50	5.80	4.50	20.25
Average	6.094	6.119	5.814	6.444	13.30	5.50

No important developments have taken place in paper chemicals. Paper mills have been increasing production but little has been done in the way of contract business for next year. Sellers and buyers have been marking time until after election. Rosins have declined following a lull in foreign and domestic demand.

Alkalis—Pending election results makers have refrained from announcing contract prices for next year. The trade is anticipating no change from the present schedule, but consumers are marking time until after election before committing themselves to contracts. The present schedule for soda ash calls for \$1.38 per 100 lbs. for 58% light in carlots of bags at works on contract, and barrels, \$1.63. Caustic soda, 76% solid, named at \$3.10 in carlots on contract at works. Spot business in l.c.l. quantities as named at \$2.04@2.19 in bags, delivered, and barrels \$2.29@2.41. Caustic soda,

solid, \$3.76@3.91, and ground and flake, \$4.14@4.31, delivered.

Bleaches—Shipments from works during the past month were reported better than the previous month. No action has yet been taken on contract prices for next year but announcement is expected after the election. Makers are holding to the present schedule of \$1.90 for carlots of bleaching powder in large drums at works and \$2.05 in less than cars. Liquid chlorine is holding at 4½c lb. in tanks, works, and carlots of cylinders, 5½c lb.; less cars 6½c lb., and ton lots and less, 7½c lb.



Chemicals—The general situation is unchanged. Aluminum sulfate is held at \$2.25@2.35 as to quantity; blanc fixe is steady, \$75@80 ton; salt cake is moving at \$18@20 ton with occasional sales under \$18 as to grade; sodium silicate is holding at 75c in tanks and 80c@85c in drums; sodium sulfite, firm, 4c@4½c lb.

Sizings—The lower and medium grades of rosins have declined following a lull in buying interest. New York prices down 10c@15c. Quotations: B to M, \$7.40; N, \$7.60; WG, \$8.25; WW, \$9.00. Casein continues at recent levels of 10½c lb. for domestic and imported.

CANADIAN PAPER PRICES REDUCED

(Special to DRUG & CHEMICAL MARKETS)

Toronto, Canada, Nov. 5.—Spanish River Pulp & Paper Co. and Price Bros. have advised contract customers that their rate for newsprint will be \$70 a ton, effective Jan. 1, 1925. This is in line with action taken by International Paper Co. It is understood that this is the precursor of further reductions. Present rate is \$73 a ton. Reports of a general cut in price of newsprint by Canadian mills is expected in pulp and paper

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circles. It was at first expected that this would be made before the end of October, to take effect on Jan. 1, 1925. On account of temporary shutting-off of supply from Price Brothers' mills, due to recent floods in Quebec, and temporary increase in consumption attributable to election campaign in the United States, it may possibly be delayed until the middle of next month. A conference of producers will be held in New York on Nov. 11 or 12, and one large Canadian producer has already arranged to hold a board meeting in New York on that date. In conservative newsprint circles a 1925 newsprint price of \$68 a ton is considered altogether probable.

Rubber Chemicals

	Trend of the Market					Pre-War
	Today	Last Week	Last Month	Last Year	War Peak	
Antimony Sulfide Crim....	\$.39	\$.39	\$.39	\$.35	\$.45	\$.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.12	.15	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.33	..
Iron Oxide, Span. ....	.03	.03	.03½	.04	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Oxide, Amer. ....	.08	.08	.08½	.07	.09½	.09
Average	3.458	3.458	3.464	3.820	5.931	..

Buyers have shown little disposition to take on supplies this week owing to Election, but sellers expect more activity from now on. Attempts by consumers to beat down prices are resisted. While carbon black has been easing off during the last three months, prices now appear to have steadied somewhat.

Acid—Acetic is in routine demand only at \$3.12@ \$3.37 cwt. for 28 per cent; \$8.19@ \$8.44 for 80 per cent, commercial; and \$11.00@ \$11.75 for glacial material.

Accelerators—Business has been for small lots only. Some fair contracts have been made, however. Aniline oil is quiet at 16c@17c lb. works, and 17c@18c lb. spot as to quantity. Diphenylguanidine is quoted steady by makers at \$1.10@ \$1.15 lb. spot as to quantity. Litharge is unchanged with holders naming 10½c@11c lb. spot. Quinoidine is routine only at 40c lb. in drums. Thio-carbanilide is in fair demand at unchanged prices. Quoted at 27c@29c lb. spot.

Colors and Compounding Materials—Little business reported, excepting some active demand in carbon black. The low prices appear to have stirred up consuming inquiry. Quoted at 6c lb. in c/l works, and 9c@10c lb. spot in cases for ordinary; 10c@11c lb. for air floated; and 9c@10c lb. for compressed. Antimony sulfurette is in active demand at 19c@24c lb. spot for golden, and 39c@50c lb. for crimson. Blanc fixe is steady at 4c@4½c lb. f.o.b. New York. Magnesium carbonate is easy at 6½c@7c lb. spot, and calcined at 4½c@5c lb. Talc is named at \$14@ \$15 ton works, or \$25@ \$26 ton ex-warehouse for domestic; French, \$40@ \$45 ton; and \$60@ \$80 ton for Italian material. Whiting is steady at \$18@ \$19 ton for imported, and \$13@ \$15 ton for domestic. Zinc oxide is in small demand at 8c@8½c lb.

Mineral Rubber—Makers name \$35@ \$75 ton as to quality.

Solvents—Benzene is still scarce at 25c gal. works for pure in tanks, and 30c gal. in drums. Ninety per cent is named at 23c gal. works in tanks, and 28c gal. in drums. Carbon bisulfide has been in steady call at 6c

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@6½c lb. spot. Carbon tetrachloride is still in keen competition at 6½c@7c lb. spot.

Sulfur—In routine demand only at \$3.05@\$3.30 cwt., and \$2.50@\$2.90 for refined material. Sulfur chloride is active at 6c@7c lb. spot for red, and 5c@6c lb. for yellow.

R & H ISSUE RUBBER CHEMICAL BOOKLET

A new booklet describing the uses of chemicals for the rubber industry, especially accelerators for vulcanization uses, has been issued by Roessler & Hasslacher Chemical Co., New York. The new manual includes charts and graphs for direction of the rubber chemist, and may be obtained from the company upon request. Roessler & Hasslacher were one of the first manufacturers of organic accelerators in the United States.

Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre. War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.38	\$17.00	\$1.50
Acid Oxalic .....	.09½	.09½	.09½	.11¾	.70	.07½
Bleaching Powder	1.90	1.90	1.90	1.25	9.50	1.50
Copper Sulfate	4.65	4.65	4.60	5.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.15	4.25	1.50
Glauber's Salt	1.25	1.25	1.20	1.30	2.50	.80
Potash, Caustic, Imp. ....	.07¼	.07¼	.06¼	.07¼	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate .....	.06¼	.06¼	.06¼	.07¾	.45	.04¼

Average 1.783 1.783 1.778 1.795 4.800 1.42

An advance in tin crystals and other tin salts has been the most important development in textile chemicals. Other metal salts are strong due to the recent advances in all metals. Sodium acetate is tending higher. No announcement has yet been made of alkali and bleach prices for next year. Egg albumen is scarce and high.

Acids—Carboy business continues along the recent improved scale. No changes have been made and the following quotations are in effect: Acetic acid, 28%, \$3.12@\$3.37; formic acid a trifle easy at 11c@12c lb.; lactic acid is firm owing to increased costs of production; 22% dark, 5c@5½c lb.; light, 5c@6½c lb.; 44%, dark, 10½c@11c lb., and light, 12½c@13c lb.; oxalic is weak, though spot named at 9½c@10c lb.; imported offered at 9c lb. for shipment; mineral acids are unchanged.

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Makers are holding to the present schedule of \$1.90 for carlots of bleaching powder in large drums at works and \$2.05 in less than cars. Liquid chlorine is holding at 4½¢ lb. in tanks, works, and carlots of cylinders, 5½¢ lb.; less cars 6½¢ lb., and ton lots and less, 7½¢ lb.

Chemicals—A fair volume, of business is reported in chemicals. Bichromates have been prominent owing to the contracting season. Prices are named at 6½¢@6¾¢ lb. for the sodium salt and 8½¢@8¾¢ lb. for the potash salt; white ammonium chloride, imported, slow at 6¢@6¼¢ lb.; domestic, 7½¢@7¾¢ lb.; copper sulfate quiet at recent levels, 4¾¢@4¾¢ lb.; Glauber's salt, firm, 1¼¢@1½¢ lb.; imported technical Epsom salt named at \$1.35, and domestic, \$1.70; lead acetate has higher tendencies owing to the rise in metal, 14½¢ lb.; caustic potash continues firm, 7¼¢ lb. spot; potassium permanganate holding at 13¢ lb.; potassium chlorate, 6½¢@6¾¢ lb.; potassium prussiate, 16½¢@17¢ lb. for the yellow and 38¢@39¢ lb. for the red; sodium hydrosulfite, 24¢ lb.; sodium sulfide moving well, 2¼¢@2½¢ lb.; sodium prussiate quiet, 9½¢@9¼¢ lb.; tin crystals are higher, 37½¢@38¢ lb.

Starches and Dextrines—No new developments though corn prices have been fluctuating from week to week. Prices are apparently firm at recent levels. Demand is stated to be improving in all consuming industries. British gum, \$4.82@4.92; white corn dextrine, \$4.52@4.62; yellow, \$4.57@4.67; potato dextrine, 8¢@8½¢ lb. for white; powdered starch, \$3.97@4.07.

The Hosiery Color Committee which is to select a standard hosiery color card has postponed its meeting until Thursday, Nov. 13, at request of Margaret Hayden Rorke, managing director of the Textile Color Card Association. John Nash McCullaugh, secretary and

industrial manager of the National Association of Hosiery and Underwear Manufacturers, calls attention to the fact that the hosiery committee and Mrs. Rorke are not selecting Spring season colors, but are picking out the stand-by colors and giving them standard names for general use throughout the industry. Mrs. Rorke explained that the belief that a seasonal color card was being established for Spring was a misapprehension.

Referring to the chemical trade of New England, the Federal Reserve Bank of Boston in its latest business report says: "Improvement in the principal consuming industries has recently brought a slight increase in the New England chemical market. Sales of heavy chemicals are better than during the previous month. Demand for dyestuffs is fairly steady although buying in small lots has been the rule."

The feature of the Boston dyestuff market at the moment is the marked scarcity of cube gambier. Prices are advancing steadily and sales have been made this week at 28½ cents for spot against the normal price of 18 cents. There is a noticeable scarcity too of Sicily sumac and 28 per cent tanning is nominally quoted \$140 to \$160 per ton.

The Blair Laboratory, equipped to analyze materials used in the leather industry and allied lines, has been opened in Newark, N. J., by Craig A. Blair, formerly vice-president and chief chemist of the Yocum Laboratories, Irvington, N. J.

Gas blacks are lower in price today than for several years, resulting in an active demand and a much stronger market. "We anticipate higher prices this Fall," said Cadwallader & Co., New York, in their October price-list.



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INSECTICIDE ASSOCIATION MEETS

The American Insecticide & Fungicide Manufacturers Association held its monthly meeting at Atlantic City, Oct. 23. About twenty firms were represented. R. N. Chipman, chairman of the Committee on Transportation and Interstate Commerce, reported the findings of the committee in its testing of drums for non-sifting.

W. H. Simpson, chairman of the committee on statistics, reported the committee's work in reference to having the Department of Commerce and the Director of Census publish such data and statistics as are of interest to the industry and the public.

PAINTS IN DEMAND IN PHILADELPHIA

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, Nov. 5.—Demand for paints is better than fair, according to the Federal Reserve Bank of Philadelphia. Although sales have improved, there is a difference of opinion in the trade as to whether the total business is better than in October a year ago. Manufacturers are operating at 30 to 90 per cent of capacity, the average being close to 70 per cent of maximum output.

E. V. Peters, president of the National Paint, Oil & Varnish Association, was the guest of honor at a surprise dinner given at the Drug & Chemical Club, New York, Oct. 31. Mr. Peters, who is general sales manager for New Jersey Zinc Co., sailed for Europe on the "Berengaria" on Wednesday. Frank P. Cheeseman, former president of the association, presented Mr. Peters with a pair of binoculars to enable him to see everything in Paris.

Wamesit Chemical Co., Lowell, Mass., shows a deficit of \$69,887 as of Dec. 31 last. Accounts receivable were \$18,796 and accounts payable \$21,437. Mortgages were \$176,600 and accruals payable were \$5,465. Returnable containers were valued at \$5,885. The cash account was \$3,148 and real estate and machinery were valued at \$144,069. It had merchandise valued at \$31,247. The company is capitalized at \$70,000.

Another auction of the Hord Color Products Co. plant at Sandusky, O., will be held by Clifton H. Richardson, receiver, in December. No bidders were present at the sale on Oct. 27. The property has been appraised by the court at \$90,240, and the Ohio law requires that the lowest price offered at a receiver's sale must be two-thirds of the appraised value.

The Third Paper Industries Exposition has been postponed until 1926 due to the fact that the American Paper and Pulp Association has changed the date of its meeting to the first week in February and the Grand Central Palace is not available at that time. No other building is capable of accommodating the large and weighty paper making machines.

The Tariff Commissioners have not been satisfied with the results of their investigations and hearings in the casein tariff case, and it is considered possible that the results of the investigation may be forwarded to the President by the Commission "without recommendation."

Black agaric production in the region of Chenpa, Shensi province, China, averages annually about 200,000 catties (1 catty equals 1½ pounds), of which 2,000 to 3,000 catties are white agaric. Like mushrooms, white agaric makes a delicious but expensive Chinese dish.

Chile Copper Co. has declared a quarterly dividend of 62½ cents per share, payable Dec. 29, to holders of record Dec. 3.

INDUSTRIAL CHEMICAL SECTION

Trade Notes and Personals

Dunker & Perkins Co., Boston, will move during November to 263 Summer st., where they have leased the entire fourth floor.

James F. Ballard, of St. Louis, sailed from Seattle on the President McKinley on Oct. 23 for a five months trip to Japan, India and China.

Sales of nitrate of soda to date for shipment in the current season by the Chilean Producers Association amount to 18,381,681 metric quintals.

Pierce & Stevens, Inc., Buffalo, N. Y., moved to new and larger quarters on Oct. 27 and are now located at 710 Ohio st. New phone numbers are Seneca 8720, 8721, 8722.

The Navy Purchasing Office, United States Navy, South and Whitehall sts., New York, has been authorized to purchase a quantity of barium sulfate, as per M. & S. Requisition 114.

Consumption of paradichlorobenzene in the Georgia peach belt this Fall is estimated by the Bureau of Entomology of the Department of Agriculture at more than half a million pounds.

G. W. Hoyt, vice-president of Charles W. Hoyt Co., spoke on "Common Sense in Selling" at the monthly meeting of the Drug & Chemical Section of the New York Board of Trade and Transportation held in the rooms of the board at 41 Park Row, New York, on Wednesday.

Professor Ernest Mas, consulting chemical engineer, died at his home in Brooklyn, N. Y., Oct. 22, at the age of 69 years. Prof. Mas, who was born in Montpelier, France, and who was graduated from the University of Paris in 1880, had been a citizen of the United States for 35 years.

Sir William Alexander, K.B.E., C.B., C.M.G., D.S.O., chairman of British Dyestuffs Corp., and a director of Chas. Tennant & Co., Ltd., Glasgow, and Barbers Trading Corp., London, was re-elected Member of Parliament for a Glasgow division in the recent elections in Great Britain. Sir William is president of the American-British Chemical Supplies, Inc., of New York, and will visit this country during November.

The Customs Collector at New York has been requested by the Customs Bureau at Washington to report the percentage of soya bean oil or any other oil found in the imported mixed linseed oils. If none, or if only a small percentage of oils other than linseed is found, the department will rule that the material is linseed oil and is taxable as such and not as a mixture of oils on which the duty is twenty-five per cent lower than on linseed oil.

The United States Supreme Court has ordered a review of the three cases of steamship "Willdomino," or her owners, the Convoy Steamship Co., against Citro Chemical Co. of America, and Charles Pfizer & Co. The Citro Chemical Co. was the owner of 168 casks of citrate of lime aboard the "Willdomino" when she struck a reef and the citrate became wet. Charles Pfizer & Co. owned 335 casks aboard the vessel. Both companies claimed a total loss and the steamship company claimed that the citrate had merely been reduced 7 per cent. The district court returned a verdict for the steamship company of \$2,965 due from Charles Pfizer & Co. as freight money. This decision was reversed by the Circuit Court.

CONTROL EFFECTS OF TETRA-ETHYL LEAD

E. I. du Pont de Nemours & Co. report that during two years of experimenting and manufacturing of tetra-ethyl-lead only three persons died as a result of the poisoning, stating also that during the past several months only slight difficulties have been met with, the symptoms of the poisoning now being recognizable in the incipient stage and before any real harm is done.

Results of a test to determine the effects of the fumes of gasoline containing ethyl gas has been carried on by chemists of the Bureau of Mines for the last eight months. More than 100 types of animals have been exposed to the fumes during the entire duration of the test and no apparent effects have been noticed. Lead inhaled by the animals is found to be immediately exhaled again and an analysis of the intestines of the subjects reveals absolutely no trace of lead.

USE OF ETHYL GAS RESTRICTED

The sale of gasoline containing ethyl gas has been prohibited by the New York City Board of Health pending the report of the investigation as to the exact effect of the gas in varying quantities. Similar action has been taken in Union County, N. J., and is also to be considered by the commissioners of Newark, N. J.

The poisoning at the Bayway plant of the Standard Oil Co. is now quite generally admitted to be due to tetra-ethyl-lead. Similar trouble is said to have been experienced by E. I. du Pont de Nemours & Co. in the manufacture of ethyl gas at Wilmington, and at the Dayton plant of General Motors Co., where two men died.

New Jersey Zinc Co. reports net income of \$1,055,006 for the third quarter of 1924 after taxes, depreciation, depletion, etc., against \$1,050,793 in the third quarter in 1923. For the nine months ended Sept. 30 net income was \$4,995,955, against \$4,993,259 for 1923. For the quarter, net income was equivalent to \$2.14 a share on the company's \$49,081,600 of capital stock, against \$2.14 a share the year before, while for the nine months net income this year was equivalent to \$10.17 a share against \$10.19 a share last year.

E. I. du Pont de Nemours & Co., Wilmington, the Pathe Exchange, Inc., New York, and Pathe Cinema Societe Anonyme, Paris, have formed the du Pont Pathe Film Corp., chartered in Delaware, with capital of \$1,200,000 8 per cent cumulative preferred stock, and 10,000 shares of common stock, no par value. The new concern will manufacture and sell cinema film now being made at the Harlin, N. J., du Pont plant.

Mathieson Alkali Works, Inc., reports gross earnings of \$362,379 for the third quarter of 1923, against \$411,336 for the corresponding quarter of 1923, and net earnings before federal taxes of \$224,134, against \$272,705. For the nine months ended last Sept. 30 gross earnings were \$998,419, against \$1,463,480 the same period of the year before, and net earnings before federal taxes, were \$583,465, against \$1,054,247.

Isaac Winkler & Bro., incorporated under the laws of Ohio, have designated the Secretary of State, Albany, N. Y., as New York representative. The company's capital is \$1,000,000.

Will & Baumer Candle Co. has declared a quarterly dividend of 25c a share on the common stock, payable Nov. 15 to holders of record Nov. 1.

Diamond Match Co. has declared a quarterly dividend of \$2 a share, payable Dec. 15 to holders of record Nov. 29.

Financial Notes

Industrial Alcohol & Chemical Co., Philadelphia, has increased its capital from \$100,000 to \$500,000.

The Barrett Co. has filed judgment in New York County for \$2,199.76 against Blackwell Bearney.

General Asphalt Co. has declared a quarterly dividend of 1¼ per cent on the preferred stock, payable Dec. 1 to stock of record Nov. 14. Books will not be closed.

Dow Chemical Co. has declared the regular quarterly dividend of \$1 on the common and 1¼ per cent on the preferred, both payable Nov. 15 to stock of record Nov. 5.

American Metal Co., Ltd., declared the regular quarterly dividends of 75c a share on the common, and \$1.75 a share on the preferred shares, both payable Dec. 1, the common to stock of record Nov. 19, and the preferred Nov. 20.

Coca-Cola Co. reports for quarter ended Sept. 30 net income of \$2,386,858 before federal taxes against \$2,242,639 in previous quarter and \$1,270,210 in same quarter of 1923. The company declared a quarterly dividend of \$1.75 on common and regular semi-annual dividend of \$3.50 on preferred stocks, both payable Dec. 30 on stock of record Dec. 15.

Railroads of the United States set a new high record for all time in the number of cars loaded, with a total of 1,102,336 for the week ended Oct. 18. This record exceeds by 4,843 cars the previous high record of 1,097,493 cars in the last week of September, 1923, and is 13,874 cars more than the previous high record for 1924. The loadings of miscellaneous freight were the greatest for any week in the history of the railroads.

American Chicle Co. reports for the third quarter 1924 net income of \$346,089, after depreciation and interest, but before Federal taxes, equal to \$11.53 a share on the \$3,000,000 6 per cent preferred stock (on which there is an accumulation of 19½ per cent). Net income for the first nine months of 1924 was \$797,773, or \$26.59 a share on the preferred stock and \$4.25 a share on the common stock, compared with net income of \$379,896, or \$1.57 a share on the common in the corresponding period of 1923.

For the nine months ended Sept. 30, Columbian Carbon Co. reports consolidated net income of \$1,705,969 after depreciation, depletion and federal taxes, equal to \$4.24 a share earned on the outstanding 402,081 shares of no par stock. This compares with \$2,969,129, or \$7.38 a share, in the corresponding period of 1923. The net income for the third quarter this year was \$477,978, or \$1.19 a share, comparing with \$531,930, or \$1.32 a share, in the preceding quarter, and \$813,822, or \$2.02 a share, in the September quarter of 1923.

Earnings of Allied Chemical & Dye probably will be up to those of 1923 when \$7.53 a share was earned on 2,177,843 shares of no par value, says the "Wall Street Journal." First six months of the current year, owing to general business depression, showed a reduction in revenues for the company, but a different story is probable for the last six months. It is understood that July was better than same month a year ago and August offered good earnings. Now business is again getting active after a let-up in September. Business of the Barrett Co., which represents about 30 per cent of the total of the Allied Chemical's business, has been good.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Nov. 1

Bid	Asked	Bid	Asked
*Air Reduction	82 1/4	83 1/4	
*Allied Chem. & D., 74 1/4	74 1/4		
*Allied Ch. & D., pf. 116 1/4	116 1/4		
*Am. Ag. Ch.	11 1/4	12 1/4	
*Am. Ag. Ch., pf.	34	34 1/4	
*Am. Chicle	77	83	
*Am. Chicle, pf.	77	83	
*Am. Cyan.	91	95	
*Am. Cyan., pf.	76	78	
*Am. Druggist, S.	64	6 1/4	
*Am. Glue	39	41	
*Am. Glue, pf.	104	108	
*Am. Linseed	18 1/4	18 3/4	
*Am. Linseed, pf.	40	40 1/4	
*Am. Metal	47	47 1/4	
*Am. Zinc	7 1/2	8	
*Archer-Dan-Mid	21 1/4	22	
*Archer-Dan-Mid., pf. 86 1/4	86 1/4		
*Atlas Powder	47	49 1/4	
*Atlas Powd., pf.	88 1/4	90	
By-Prod. Co.	42	47	
By-Prod. Co., pf.	102	—	
Canad. Ind. Al.	42	44	
Canad. Salt	95	100	
Casolin Co.	62	66	
Celluloid Co.	55	60	
Celluloid Co., pf.	96	99	
Charcoal Iron	20	23	
Ches. Mfg.	47	49	
Ches. Mfg., pf.	112	115	
Clark Co., Fred	2	3 1/4	
Cleve. Cliffs Iron	75	—	
*Com'l Solv. A.	77	78	
Do. B.	73	73 1/4	
*Corn Products	37 1/4	37 3/4	
*Corn Products, pf. 119 1/4	119 1/4		
*Davison Chem.	47 1/4	48	
Dow Chem. non par. 52	54		
Dow Ch., pf.	94	96	
Dow Drug Co.	150	175	
Dow Drug Co., pf.	104	106	
*Du Pont de Nem.	127	128	
*Du Pt. de Nem. Db. 92 1/4	92 1/4		
*Eastman Kodak	110 1/4	110 3/4	
*Eastman Kodak, pf. 111	—		
*Freeport Tex.	8	8 1/4	
*Genl. Asphalt	41 1/4	41 1/2	
*Genl. Asphalt, pf.	82 1/4	82 3/4	
*Gold Dust	37 1/4	38 1/4	
Grasselli	122	124	
Grasselli, pf.	102	103	
Hercules Powder	88	92	
Hercules Powd., pf. 104	106		
Heyden Chem.	2	3	
Hooker Electro	2	3	
Hooker Electro, pf.	18	22	
*Household Products. 33 1/4	34		
*Int. Agricult.	7 1/2	13 1/4	
*Int. Agricult., new. 5	5 1/4		
*Int. Agricult., pf.	7 1/4	9	
*Int. Nickel	19 1/4	19 3/4	
*Int. Nickel, pf.	90 1/4	90 3/4	
*Int. Salt	70	72 1/4	
*Mathieson Alk.	35	36 1/4	
*Mathieson Alk., pf. 100	—		
MacAnd. & Forbes. 149	150		
MacAndrews & Forbes, pf.	99	101	
Merck & Co., pf.	57	60	
Merrimaq	84	86	
Mulford Co.	30	33	
*National Lead	154	156	
*National Lead, pf. 116	117		
N. J. Zinc	160	164	
Niag. A. pf.	80	85	
Parke, Davis & Co. 80 1/4	81		
Penn. Salt	80	82	
*Peoples Gas, Chi.	106 1/4	107 1/4	
Procter & Gamble.	103	105	
Procter & Gam., pf.	106	108	
Royal Bak. Pow.	147	151	
Royal Bak. Po., pf.	98	100	
Shawinigan	4	6	
Shawinigan H.	130	132	
Sherwin-Williams	30	32	
Sherwin-Will., 1st pf. 103 1/4	103 1/4		
*Sterling Prod.	62	63	
Swan & Finch	20	24	
*Tenn. C. & Chem.	73 1/4	81	
*Tex. Gulf, Sul.	80 1/4	81	
Union Carbide	59 1/4	—	
*Un. Drug	50 1/4	100 1/4	
*Un. Drug 1st pf.	49 1/4	60	
*Un. Dyewood	—	33 1/4	
*Un. Dyewood, pf.	—	88	
Un. Gas Imp.	57	59	
Un. Gas Imp., pf.	86	87	
U. S. Gypsum	127	132	
*U. S. Indus. Al.	71 1/4	72	
*U. S. Indus. Al., pf. 103	104 1/4		
*Va. Car. Ch.	13 1/4	15 1/4	
*V. Vivaudou	9 1/4	9 3/4	
Will & Baumer	12	14	

*Listed on New York Stock Exchange
Unlisted Stocks Through Courtesy Pynchon & Co.

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.52
France (franc)	193	.063
Italy (lira)	193	.043
Germany (mark) per hundred	28.80	
Czechoslovakia (crown) per hundred	20.30	.080
Poland (zloty)	193	.192
Japan (yen)	499	.383
Holland (guilder)	402	.394
Spain (peseta)	193	.134
Belgium (franc)	193	.048
Switzerland (franc)	193	.192
Norway (krone)	268	.143
Sweden (krone)	268	.266
Denmark (krone)	268	.173
Argentina (peso)	474	.367
Brazil (milree)	324	.113
India (rupee)	485	.338
China (Si'yer dollar, Hongkong)	789	.547
China (Tael-Shanghai, silver)	1.986	.772
China (Tael-Peking, silver)	1.156	.792

Owens Bottle Co. and subsidiaries report for the three months ended Sept. 30, net income of \$853,005 after estimated federal taxes, equal to \$1.06 a share (\$25 par value) on the \$16,512,750 common stock outstanding, compared with net income of \$1,231,205 or \$1.63 a share in the preceding quarter and net income of \$910,198 or \$1.13 a share on the \$16,531,200 common stock outstanding in the September, 1923, quarter. For the nine months ended Sept. 30 net income totaled \$2,886,664 or \$3.67 a share on the \$16,512,750 common stock, compared with net income of \$3,148,501 or \$4.04 a share on the \$16,531,200 common stock outstanding in the corresponding period of 1923.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields.

Brown Herb Co., New York, \$100,000. Medicinal products. Lyman Brown, Robert Brown, Sea Gate, N. Y.; Edgar Beekman, Bronxville, N. Y.

Gasoline Dye & Chemical Co., New York, \$30,000. S. Passin, M. J. Levinson, H. Schaffer.

Clegg Chemical Co., New York, \$10,000. Oils and paints. C. J. & L. Clegg, S. Issacs.

Robinson. Butler & Hemingway Co., New York, \$50,000. Coal tar and tar products. Loren N. Wood, Bound Brook, N. J.

Boston Drug & Chemical Co., Boston, \$50,000. Drugs and chemicals. Maurice Harrison, Boston; George J. Place, Swampscott; Everett W. White.

New York Liquid Bleach Co., Cleveland, O., \$10,000. A. Disette, Leonard G. Daniels.

American Industrial Chemical Co., Wilmington, Del., \$5,250,000. John J. Rascob, Wilmington.

Valley Chemical Products, Wilmington, Del., \$50,000.

Rocky Mountain Paint Co., Wilmington, Del., \$80,000.

Cleasit Chemical Co., Wilmington, Del., \$100,000.

E. T. Pearson Corp., New York. 500 shares preferred stock, \$100 per share; 1,000 shares common stock, no par value. Patent medicines. C. G. Cook, E. T. Pearson, T. H. Wilkins. Attorney, R. I. Phillips, New York.

Surox, New York, 1,500 shares common stock, no par value. Preservation materials. J. J. Schless, F. T. Eberhardt, J. S. Buhler. Attorneys, Woodward, Dennis & Buhler, New York.

Giroux Co., New York, \$25,000. Syrups and confections. S. & A. Lowey, A. Rosenthal. Attorney, A. R. Baier, New York.

Tripps Blood Remedy Co., Philadelphia, \$300,000. Manufacture medicinal and chemical products. Corporation Guarantee & Trust Co.

Alabama Quenelda Graphite Co., Wilmington, Del., \$5,000,000. J. F. Berrybaugh, J. W. Cole, Ray J. Emmerson, Birmingham, Ala. Corporation Trust Co. of America, Wilmington.

Pennsylvania Products & Bottling Co., Wilmington, Del., \$500,000. Manufacture extracts and syrups. Corporation Trust Co. of America.

Associated Pharmacists of Massachusetts, Salem, Mass., \$300,000. Drugs and chemicals. Elmer W. Hackett, Morgan J. McSweeney, George E. Morse, John B. Barrett and Harry R. Tyler, all of Salem.

Cochrane Print Works, Malden, Mass. 1,000 shares common stock, no par value. Bleaching and dyeing carpets and textiles. J. Eugene Cochrane, Eugene Cochrane, Brookline, Mass.; Pauline Cochrane, Malden, Mass.

H. R. S. Chemical Products, Boston, \$100,000. Chemicals and varnishes. Adam Hoche, and Henry D. Schutte, Lynn, Mass.; J. Frank Rebeck, Winthrop, Mass.

Diamond Carbon Black Corp., New York. 2,500 shares of common stock, no par value. F. C. Taylor, F. H. Butehorn, H. B. Holland, 37 Wall Street.

S. H. Ellison, New York, 200 shares common stock, no par value. Toilet preparations. S. H. Ellison, C. E. Scott, W. H. Stone.

R. A. C. Tire Corp., Wilmington, Del., \$2,500,000. Manufacture. Corporation Service Co.

Chrystal Sulphur Refining & Fertilizer Co., Wilmington, Del., \$1,000,000. Salt. Colonial Charter Co.

Arctic Products Co., Wilmington, Del., \$300,000. Manufacture ice cream and candies. Colonial Charter Co.

Territorial Udylyte Corp., Ltd., Jamestown, N. Y., 32 shares, common stock, no par value. Electrical and chemical. W. G. Ritzer, A. B. Manley, C. D. Swift. Attorney, E. G. Swift, Jamestown.

Children's Laboratories, New York, 200 shares common stock, no par value. Druggists. F. W. Bain, J. J. Sullivan, H. Cuneo. Attorneys, O'Conner & Bain.

Du Pont-Pathe Film Mfg. Corp., Wilmington, Del., \$2,250,000. Attorney. W. P. Allen, Wilmington.

Industrial By-Products & Research Corp., Philadelphia, \$10,000. Consulting chemical engineers. Corporation Guarantee & Trust Co.

Drake Remedy Co., Kingston, N. Y., \$15,000. Drugs. E. S. & K. A. Morris, F. W. Kiefer. Attorney, A. C. Connelly, Kingston.

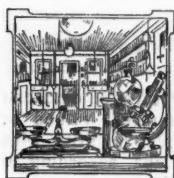
CANADIAN INCORPORATIONS

McDonald Drug Stores, Ltd., Penetanguishene, Ont., \$20,000. To manufacture medicines. Patrick A. McDonald, Robert J. Parker, Angus L. McDonald.

Lake View Drug Co., Ltd., Port Arthur, Ont., \$40,000. To manufacture drugs. Heikki Kaljonen, Wm. W. Smith, William J. Stinett.

Cosmos Imperial Mills, Ltd., Hamilton, Ont., \$2,000,000. To manufacture textiles. William G. Gibson, Robert F. Inch and Wm. O. Zealand.

Justre Canadian, Ltd., Montreal, \$80,000. To manufacture polish and varnish. Oliver Payette, Philippe Gingras, Joseph O. Juneau.



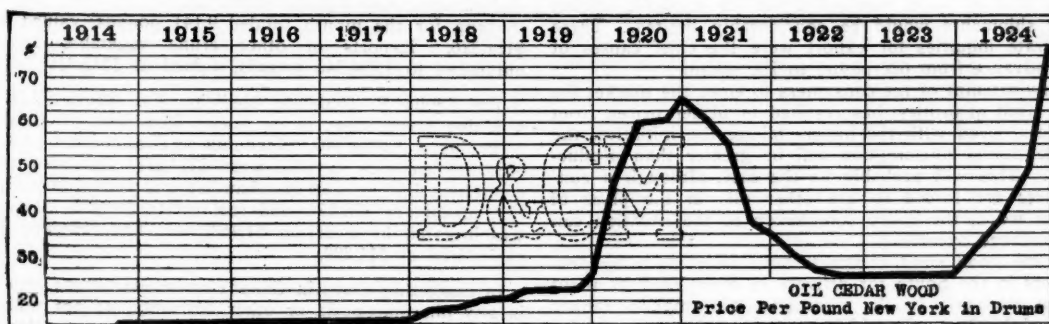
Drug & Fine Chemical

SECTION



Oil Cedarwood—Up 200 Per Cent in a Year

Has the Pencil Industry Changed Permanently Away From Cedar, and Are Oil Prices Up to Stay?



PRIOR to January of this year, oil cedarwood was practically dead for about a year and a half. But from January on, the price commenced to advance, until at present, quotations stand at 75c pound with the possibility of going much higher, providing, of course, demand remains active and consumers are willing to pay the higher prices, and do not switch to some other odor. For an oil to triple its price inside of a year, does not form a very stable buying foundation at the present time, some of the dealers say. On the other hand, if the production of an article depends entirely upon the manufacture of some other product, and this main product is not being produced, then most anything may happen in the by-product. This condition has occurred in oil cedar wood, namely, consumers of "slats" from which pencils are made, have not been buying for the past year, which condition has resulted in the curtailment of the oil production. The inevitable high prices have just naturally followed.

When the price was around 50c pound, a big domestic consumer sent letters to the trade asking if they thought the price would go higher. Practically 100 per cent of those asked, replied that they thought oil cedar wood would advance still further. No one dreamed, however, that a 75c market would be realized. Later, information was obtained to the effect that the party inquiring about the probability of an advance in the oil, has bought very little cedar wood. Most of the supplies available during the past three months have been exported to the Continent, although some material has been consumed in the United States. A realization that the market is high, will probably cause consumers to hesitate before taking on supplies. One export house bought at 70c pound, but they state that they did not necessarily need the oil at that time. They undoubtedly anticipated their needs, and now they probably are not sorry for it.

One dealer tells a story about one of his customers, who is in the market every so often to buy both oil

cedar wood and cedar leaf, which he uses together in his manufacturing. When he was told that oil cedar wood had advanced to the price where it is now, he told the dealer that he would not take on cedar wood, but would use cedar leaf alone. Of course, a big multiplication of incidents like this, would eventually break the market; although in a great many instances, oil cedar wood forms only a small part of the cost of the product and users are willing to pay the price, without a great deal of objecting. Especially is this true of soap manufacturers, who feel that the only way the high price of oil cedar wood can affect them, is for their competitors to pay less for the oil, and thereby be in a better position to compete on finished goods. But, for the ultimate consumer to pay more for a cake of soap, based on the oil advance, is a remote chance.

The effect of practically no oil coming out of the country until December will undoubtedly make present holders have firm ideas. Distillers of oil cedar wood are probably not holding back any supplies in the attempt to force up prices still further. At the ruling values, the temptation to let out all they have, is probably too great. The gyrations in prices during the past ten years have not been sufficient to arouse suspicion that distillers were attempting to give out information other than what was true. By omitting the war period, the price of the oil has followed an even keel until within the past year, during which time the price has trebled.

Heretofore, the export business was carried on directly with the distillers, but with supplies so scarce, and such small amounts coming out of the country, the market has to be combed thoroughly in order to find sufficient material to satisfy all the consumers. When the "slats" were shipped out of the country, most of the distilled oil was sold along with it. Since little business has been transacted in "slats," the connection is naturally easily lost on the by-product oil.

The spot market varies from 75c pound to 85c pound. Whenever an article becomes the least scarce, holders

have very different ideas in regard to the selling price. They, undoubtedly, feel that to them it is worth the price they are asking, for to replace same would cost practically the same price. Quotations have been reported during the week at 72c pound, but could not be confirmed. A buyer was in the market at 75c pound, which price he paid at the same time having knowledge of the 72c price. Whether or not the cheaper seller has now advanced his price in line with other sellers, is not known.

About two weeks ago, one seller turned bearish, and was willing to sell at 62c pound. But before the day closed, he had advanced his price to 70c pound, and later to 75c pound. Since the market had been advancing for a period of nine months, he figured that a reaction was about due. This did not materialize because export inquiries were received here about the same time that advices were received from the country, stating that shipments would be considerably limited. Three separate inquiries for export were the chief causes of the advance from 62c pound to 70c pound.

Any attempt of the consumers to enter the market for fair sized quantities, has resulted in firmer prices from dealers. And with the buyers taking the initiative, the trade thinks consumption will be greater than production. This will probably be the case, although if consumers are forced to use other oils in the place of cedar wood, the entire complexion of the situation can be changed overnight.

Some good sized contracts have been made by producers in the South for delivery in New York in about three months. In the meantime, consumption cannot exceed 2,000 pounds, which are estimated as spot stocks. Whether distillers will use 100 per cent of the wood as it is cut, or save the "slats" and manufacture the oil from sawdust, cannot be determined. If they see that they can make a profit by distilling 100 pounds of wood, and producing an average of four pounds of oil at a price of 60c pound, it might be to their advantage, rather than manufacture the oil from the sawdust, and save the "slats" to be sold at a substantial discount in comparison with former years. The trade does not think that Germany has come into the market in a large way for "slats," and therefore, any commitments on the part of the distillers will have to be met with the selling of the oil as the only object in view. If this condition were true, it would seem to indicate that the production of the oil itself, has become the major item, and that of the "slats" the by-product, with consequent higher costs in making the oil.

France supplies almost 50% of the toilet goods imported by Spain where a feeling exists that French perfumes are superior, although American makes of shaving soaps, talcum powders, dentifrices, and skin creams and lotions are preferred. The improved quality of the goods manufactured in Spain along with well conducted advertising campaigns are responsible for the success of the many new concerns that have sprung up in that country. Two things necessary to introduce new American preparations to the Spanish market are a competitive price and a well organized advertising campaign, says a report to the Department of Commerce.

In spite of the fact that Spain has an overproduction of lemons and oranges, there is only one citric acid plant operating. The country could be the largest producer of tartaric acid in the world but none is manufactured, and instead 291,949 kilos of citric and tartaric acids were imported in 1922.

DRUG AND FINE CHEMICAL SECTION

Of Interest in the Trade

Exports of quinine sulfate and other salts of cinchona during August amounted to 19,919 ounces, valued at \$10,543, of which Russia took the largest quantity with the second largest amount going to Cuba, according to the Department of Commerce.

Chicago Drug & Chemical Association held its regular monthly meeting and luncheon on Thursday, Oct. 30, at the Hamilton Club, Chicago. William Hoskins spoke on "Experiences of the Consulting Chemist," telling of his forty years experience as a consultant.

Exports of anti-toxins, serums and toxines during August were valued at \$92,549, and of other medicinal and pharmaceutical preparations \$1,320,133. Exports of ginseng for the month totaled 9,141 pounds, valued at \$151,326. Exports of other crude vegetable drugs amounted to 1,194,540 pounds, valued at \$245,231.

The Lydia E. Pinkham Medicine Co., Lynn, Mass., a Maine corporation, in its report filed Sept. 10 shows a surplus of \$2,882,740. Accounts receivable were \$334,498, and accounts payable were \$194,278. Its cash account was \$790,588 and merchandise was valued at \$371,722, machinery \$78,354, and real estate \$49,858. There was invested in securities \$1,468,534. The company is capitalized at \$11,200.

In marketing drugs in Canada under names not found in any pharmacopoeia or other authority, or not registered under the Canadian Patent and Proprietary Medicine Act of 1919, according to the Department of Commerce, the following information shall be carried on the label: Name and address of the manufacturer; quantity by measure or weight; and a complete list of the ingredients in names commonly known.

Amended instructions to internal revenue collectors taking effect from Oct. 1, 1924, have been issued by Commissioner Blair. They deal with the reports of seizures, disposition of seized goods, disposition of excess, undesirable, or useless narcotic stock by taxpayers, disposition by narcotic agents in charge of drugs and preparations surrendered by taxpayers, and the duties of collectors regarding seized and surrendered drugs.

The third annual Northwest drug exposition is to be held in St. Paul, Minn., during the second week in February. Delegations of druggists from Michigan, the two Dakotas, Montana and Wyoming have already indicated their intentions to attend. The University of Minnesota and other educational institutions plan to have on exhibit numerous plants grown in the Northwest and used for medicinal purposes. This display will be supplemented by similar exhibits of plants grown throughout the world, illustrating the widely separated sources from which the retail pharmacist draws his prescription supplies.

Production of orange, lemon, mandarin, and bergamot oils has been small during the year, and prices have remained high, according to a report from the primary market, which says: "Prices are as follows: Lemon, 2s. 11d.; sweet orange, 10s. 3d.; bergamot, 16s. 7d.; and mandarin, 25s. 3d. The production of citrate of lime has been about one-half of last year's, or about 6,000 tons. The Camera Agrumaria has fixed the minimum on 64 per cent citric acid. This year's production has price of 425 lire per 100 kilos for the makers, based on reported sold. Stocks are said to amount to 18,000 tons."

PLAN CONFERENCE ON CRAMTON BILL

A conference of distilling interests to formulate opposition to the Cramton bill will be held in Washington on Nov. 18. At present opinion is divided on the question whether it would be preferable to have the bill passed in an amended form or to attempt to prevent its passage entirely. The consensus of opinion is that a more united effort can be concentrated on the defeat of the bill than on an amendment.

One form of amendment proposed by the House Committee on Judiciary that was not acceptable to all branches of the trade provided for the creation of an industrial alcohol and chemical division in the Prohibition Unit, to be headed by an expert appointed by the Secretary of the Treasury. Retail drug interests opposed this on the ground that it did not provide for administration of medicinal whiskey and liquors by the proposed division. The amendment was rejected by the House of Representatives before the bill was passed. It is thought that a similar amendment broadened so as to include medicinal whiskey and liquors might be satisfactory.

JAVA ISSUES COCA STATISTICS

The Java coca leaves acreage, production, and quantities exported during the period 1918 to 1922, according to the Bureau of Statistics, were as follows:

Years—	Planted area acres.	Reported production lbs.	Exports lbs.
1918	6,958	2,549,476	1,456,320
1919	7,980	1,687,591	2,187,247
1920	6,308	1,805,186	3,688,567
1921	2,998	1,599,728	2,502,221
1922	3,512	1,960,717	2,823,707

The 1923 exports were about 2,066,000 pounds. The Netherlands was the leading destination in 1924, receiving 1,987,000 pounds. Japan was second with about 800,000 pounds.

Dr. Robert Peel Leslie, founder in 1908 of Leslie & Co., New York, and since that time the active head of the company, died at the Hotel Ambassador, Atlantic City, last week, at the age of 47. Dr. Leslie, who was graduated from the University of Toronto with the degree of Doctor of Philosophy, was a member of Charity Lodge No. 727, F. and A. M., American Pharmaceutical Association, New York State Pharmaceutical Association, American Chemical Society, and Canadian Club of New York.

A movement to bar aliens from the drug trade has been started by the National Association of Retail Drug-gists. The demand follows an investigation, which shows that many violators of the Volstead Act in the drug business are aliens, who do not have the same respect for American laws as native born or naturalized citizens. The report further states that alien applicants for admission to pharmacy colleges are on the increase.

H. Clay Glover Co., New York, has launched a nationwide campaign, advertising Glover's Imperial Mangle Medicine and Glover's Medicated Soap. Window displays, booklets, envelope stuffers, and many other sales helps are being used. Newspapers of eighty leading cities form the nucleus, in an endeavor to acquaint millions of readers with results obtainable from the use of the Glover treatment for the human hair and scalp.

Ryan & Richardson Co., manufacturers of vanilla extract, has opened a branch factory at 334 South San Pedro st., Los Angeles, according to A. G. Arnoll, secretary of the Los Angeles Chamber of Commerce.

MEXICO TO AID U. S. NARCOTIC AGENTS

Plans For Checking Smuggling Across the Border, Similar to Canadian Agreement

(Special to DRUG & CHEMICAL MARKETS)

Washington, Nov. 5.—A conference between Mexican and United States officials to discuss ways and means of preventing the smuggling of narcotics is to be held soon. The co-operation of Canadian officials resulting from a similar conference held at Buffalo, last year, has caused a marked decrease in the smuggling of narcotics over the Canadian border, Acting Federal Prohibition Commissioner James E. Jones said.

Seizures during the last year compared with those for the previous year indicate a decrease in the amount of narcotics being smuggled, L. G. Nutt, head of the Narcotic Division, reported to Commissioner Jones. There were 49,381 ounces of opium seized in 1923 and only 39,785 ounces in 1924. Seizures of morphine dropped from 24,902 ounces to 2,504. Only 761 ounces of cocaine were seized compared with 15,686 ounces during the previous year. Heroin seizures decreased from 1,451 ounces to 313. Forty-four ounces of codeine were seized, compared with 19 ounces during the previous year. This decrease in the amount of narcotics seized occurred in spite of a marked intensity in the activities of federal narcotic agents and customs officers during the year, Mr. Jones said, and involved large seizures from incoming ships.

Discussions at the coming conference will include plans for stationing federal narcotic officers in easy reach of all important points between the United States and Mexico where narcotics are being smuggled across; exchange of information between agents of the two Governments as to names, photographs and other records relative to known international smugglers; and various other plans for increased co-operation, similar to those now in operation along the Canadian border.

LILLY-WARNER LITIGATION ENDED

The petition of E. W. Bradford, attorney for Eli Lilly & Co., Indianapolis, for a rehearing of the case against William R. Warner & Co. has been denied by the United States Supreme Court in Washington, and the case in reference to alleged infringement and unfair competition in the sale of "Quin-Coco" by the Warner company in competition with the Lilly product known as "Coco-Quinine," is finally settled.

The decision restrains William R. Warner & Co. from promoting the sale of their product as a substitute for Lilly's "Coco-Quinine," and requires proper labeling to distinguish it from "Coco-Quinine." The contention of Eli Lilly & Co. that they should have the exclusive right to prepare such a preparation since it is of a distinctive color, due to the use of chocolate, was denied on the ground that the color was the result of a simple physical mixture made to give a desired flavor.

Mustard seed is one of the leading products exported to United States from Catania, according to Consul W. Roderick Dorsey, who says: "The seed is cultivated principally on the plain of Catania to the south of the city and matures best in dry weather during the season of ripening. The Province of Catania produces about one-half of all the mustard seed harvested in Italy and markets about 25 to 35 per cent of its yield in the United States. In 1923, exports of mustard seed from all Italy amounted to 3,128,592 pounds. Catania contributed 1,562,620 pounds, of which the United States took 455,730 pounds, the remainder being distributed principally to France, and in less degree to Germany, Belgium and Holland."

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, page 1406

QUICKSILVER DOWN HERE AND ABROAD

New York at \$69.50 and London £10 15s—Mild Panic in Bromides on Ethyl Gas Ban, But Strength Is Recovered Quickly—Podophyllin Lower—Some Makers Shade Formaldehyde

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced
Fusel Oil, Refined, 25c gal.	
	Declined
Camphor, 1c lb.	Formaldehyde, ¼c lb.
Mercury, \$1.50 flask	Podophyllin, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$3.36	\$3.36	\$3.35	\$3.32	\$2.00	\$2.20
Acid Citric, Import .....	.45½	.45½	.45½	.48	1.25	.45
Caffeine Alkaloid	3.60	3.50	3.50	4.00	18.00	3.65
Calomel, American	1.22	1.22	1.22	1.25	3.43	.90
Camphor, Jap., sei. ....	.67	.68	.68	.85	3.55	.41
Iodine, Resublimed	4.75	4.75	4.65	4.55	5.00	3.75
Menthol	14.50	14.50	13.25	14.00	13.50	3.00
Potassium Bromide, Cryst. ....	.48	.48	.38	.26	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.49½	.49½	.49½	.84	2.05	.50
Average	2.43	2.48	2.36	2.50	5.92	1.56

The decline of mercury abroad and on spot was the feature of the fine chemical market during the past week. A general depression in fine chemicals was evident after the very active preceding weeks, although prices with a few exceptions remained at former levels, and a reaction from the strong position of prices was not at all apparent. Buyers seemed to be marking time for no reason and the sellers were willing to let them do it and were not cutting prices in an effort to increase the amount of business, feeling that a break could not come with spot goods at a low point. Menthol and bromides still presented very tight situations although only a small amount of business was transacted in both of these items, and the future of them seemed quite problematically with watchful waiting being done in practically all cases.

Acetanilid—U.S.P. under active demand at 36c@38c lb. spot as to quantity from makers with resellers naming 35c@36c lb. spot. Firmer.

Acid Acetylsalicylic—Moving in fair volume from makers at 75c@85c lb. spot, and from resellers at 72½c@75c lb.

Acid Benzoic—Continues quiet at 75c@80c lb. spot for U.S.P. from manufacturers, and 70c@75c from resellers.

Acid Citric—Improved slightly in price and more active, but keen competition tends to prevent any appreciable rise. Quoted at 45½c@46½c lb. spot with shipment price still 28c lb. c.i.f. New York.

Acid Diethylbarbituric—Dull at \$3.30@\$3.40 lb. as to quantity for imported, and \$10.00@\$12.00 lb. for the domestic material.

Acid Salicylic—Fair amount of business reported at 35c lb. spot from manufacturers; 33c@34c lb. spot according to quantity from resellers.

Acid Tartaric—In slightly better demand, but still selling at 26c@27c lb. spot as to quantity. Market abroad is firmer, but no effect has been felt here. Domestic 29c lb.

Alcohol—Demand continues very active and market steady with manufacturers naming 57½c@59½c gal. spot for No. 1 specially denatured in drums, and 55½c@57½c gal. spot for No. 6 completely denatured. Resellers are asking 60c@62c gal. spot for No. 6 completely denatured. Makers at present are only able to take care of their regular customers.

Aloin—Still quoted at 88c@90c lb. from manufacturers, with demand quite active.

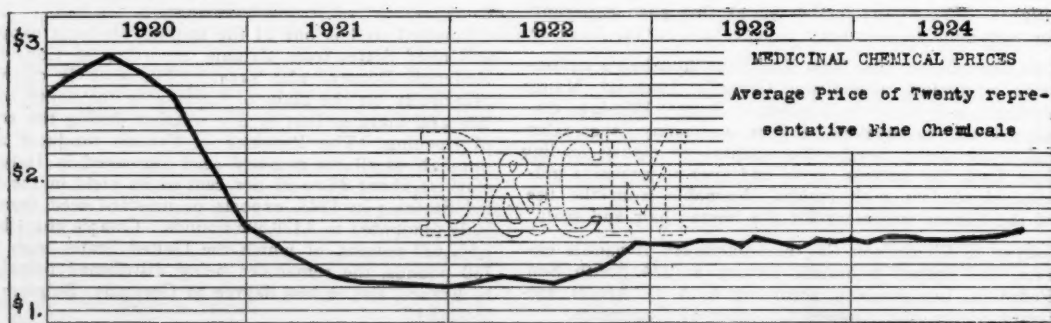
Amidopyrine—Quiet but steady with imported at \$4.35 @ \$4.50 lb. spot; domestic quoted at \$4.60 lb.

Antipyrine—Moving slowly at \$1.90@\$2.00 lb. spot.

Bay Rum—Demand increasing. Holders quote Port Rican and St. Thomas at \$1.05@\$1.15 gal.

Bromides—The publicity given the accidents occurring in the manufacture of ethyl gas and the prohibition of the use of this compound in the principal eastern cities, caused a mild panic among the holders of bromides last week, although most of the holders were sitting tight, being fully confident that the effects of ethyl gas in automobile use had been determined before manufacture on a large scale was undertaken. The announcement of the eight months investigation by the Bureau of Mines declaring ethyl gas harmless had a steadying effect. Prices for imported remained the same: ammonium, 44c@46c lb. nominal; potassium, 42c@44c lb.; and sodium, 41c@43c lb. Shipment prices for November delivery were: 45c lb. for potassium, and 49c lb. for sodium c.i.f. New York. Domestic prices remained at: ammonium, 54c@55c lb.; 48c@49c lb.; sodium, 48c@49c lb. spot.

Camphor—Japanese slabs easy and price slightly less for spot, being quoted at 67c@68c for 2½ lb. slabs.



Shipment price named at 65c c.i.f. New York. No reduction has been announced on the domestic material, which is still quoted at 80c lb. in barrels, and the demand reported good. A total of 110 cases of synthetic camphor were imported during the week.

Castor Oil—Firm and in fair demand with U.S.P. at 17½¢@18½¢ lb. spot as to quantity.

Codliver Oil—Extremely firm and active due to spot stocks being low as well as the stocks abroad. Norway reports stocks as pretty well exhausted and the amount carried over into the next season as exceedingly small. No further advance over last week has been registered and the price is \$26.00@\$27.00 bbl. spot as to seller. Shipment price is \$26.25@\$26.50 bbl. c.i.f. New York, as to seller. Total of 475 barrels were imported at New York during the past week.

Cream of Tartar—Remains steady at 20½¢@21¢ lb. spot for imported, with fair demand reported.

Formaldehyde—Slight decline reported in competition although moving in fair volume. Manufacturers quote 9c@9½¢ lb. works in c.l. as to seller, and 9c@9½¢ lb. in carboys. Resellers naming 9c@9½¢ lb. spot in barrels.

Fusel Oil—Price increased to \$3.40@\$3.50 gal. spot for crude, with some factors naming \$3.65 gal. Not much business reported at these prices.

Glycerin—Demand quite satisfactory on C.P. which is quoted at 18½¢@19¢ lb. spot in drums. Dynamite is still quoted at 18½¢@18¾¢ lb. with practically no business reported transacted during the past week. Last week 73 drums of crude were imported at New York.

Hexamethylene—Very little demand reported with imported at 65c@67c lb. spot, and domestic 75c for U.S.P. and 82½¢ for rubber makers' powder.

Menthol—Quoted nominally at \$14.50 lb. spot with all goods concentrated in one or two quarters. Reported sales last week at \$14.75 and \$15.00 have not been duplicated and consumers are only buying when it is absolutely necessary. Japan still refuses to quote any price and domestic manufacturers have abandoned the making of menthol due to the high price of peppermint oil.

Mercury—Quotations from London have dropped to £10 15s per flask and this has been reflected in the spot price being reduced to \$69.50@\$70.50 per flask, with some factors still quoting \$71.00@\$72.00 per flask and others giving a price of \$69.50@\$70.50 per flask, which price may be shaded for shipment to \$68.50. The fact that spot is scarce is responsible for the price even holding at current levels. Imports at New York last week were 1,000 flasks.

Potassium Permanganate—Large volume carried on during the past week at 13c@13½¢ lb. spot for imported, and 12½¢@13c lb. works as to quantity for domestic.

Podophyllin—Somewhat easier, resulting in a decrease in price from some sellers to \$4.75@\$4.90 lb. spot as to quantity. Manufacturers continue to name openly \$5.20 @ \$5.40 lb.

Saccharin—Situation unchanged with demand active at \$1.90@\$2.00 lb. spot as to quantity.

Strychnine—Firm at recent advance with alkaloid, 81c oz.; granular, 74c oz.; and powdered, 71c oz.

The New York Section of the American Chemical Society met Monday evening, Nov. 3, at Havemeyer Hall, Columbia University, New York, and heard Prof. E. C. C. Baly of the University of Liverpool lecture on "Photosynthesis." Dinner was served at the Faculty Club preceding the meeting.

BROMIDES HIGHER IN LONDON

Advances Announced on Chloroform, Ginger, Menthol, Japanese Mint, Oil and Balsam Tolu—American Peppermint and Spearmint Oils Firmer—Sodium Nitrite and Arsenic Lower

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Nov. 5.—Business is fair and prices well sustained in the crude drug and fine chemical markets. Prices have advanced on bromides, chloroform, ginger, menthol, Japanese mint oil, and balsam tolu.

The market is firmer for American peppermint oil and American oil spearmint.

Quotations are easier on carnauba wax, potassium chlorate, hydrastis and mercury.

Sodium nitrite and arsenic are lower.

London, Oct. 25. (By Mail)—Continued improvement is reported in the chemical and drug markets and the increased demand has had a stimulating effect on prices, advances predominating. Owing to much higher prices for fine chemicals now ruling in Germany British imports have fallen off considerably of late; per contra, however, quite extensive buying orders have been received this week from Germany for raw materials, spices, fixed oils, and several essential oils which are firmly held and advancing.

Peppermint oil, American, has further advanced and buyers believe that a firmer to higher market will have to be faced for some time. On spot 27s6d to 28s per lb. is now asked, while forward c.i.f. prices are quoted at about the same price.

Japanese Mint Oil is very scarce on spot at 18s6d per lb. present shipment 16s6d c.i.f.

Cloves have advanced to 1s1d to 1s1½d per lb. and Clove oil is in brisk request in sympathy at 7s6d per lb.

Cocoa butter is again dearer at 1s4d per lb. in ton lots.

Codliver oil is a very firm market at 120s c.i.f., which is dearer.

Sandalwood oil, Mysore, has been marked up in price officially by that Government owing to the corresponding enhanced value of the Rupee. In lots of 1,000 lbs. 25s per lb.

Almonds have been in unusually heavy demand, especially from Germany, and higher prices are probable. Owing to this advance the price of Almond oil sweet P.B. has been marked up by the English makers to 3s 3d per lb.

Eucalyptus oil is firmer at 2s 2d per lb. 70/80 per cent. The Australian and Tasmanian distillers would appear to have a common understanding to protect their interests, so that lower prices are not to be anticipated now that the consuming period is beginning.

Potassium permanganate is firmer. On the other hand acid salicylic, Japanese camphor, balsam tolu are easier, and soya oil and arsenic are lower.

Bromine sales in 1923 by producers were 16 per cent less in quantity and 3 per cent less in value than in 1922. The average value increased 13 per cent. The bromine was sold in the form of bromides, the bromine content of which is reported by producers as follows: 1923, 842,352 lbs.; 1922, 1,005,174 lbs.; 1921, 711,953 lbs.; 1920, 1,160,584 lbs.; 1919, 1,854,971 lbs.; 1918, 1,727,156 lbs.

Imports into Canada of drugs, medicinal and pharmaceutical preparations during August were valued as follows: From Britain, \$103,972; United States, \$82,686; other countries, \$41,096. Total \$227,754; compared with imports in August, 1923. From Britain, \$53,696; United States, \$105,810; other countries, \$25,234; Total \$184,740.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, page 1415

CARDAMOM SEEDS IN ACTIVE DEMAND

Spot Supplies Tending Scarce—Colchicum Sharply Higher—Lycopodium Firmer—Japan Wax in Keen Competition—Chamomile Flowers Easier—Cloves Lower—Valerian Root Higher—Areca Nuts, Calabar Beans, Fish Berries and Marjoram Leaves Scarce

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Anise Seed, Spanish, ¼c lb.	Juniper Berries, ¼c lb.
Candelilla Wax, 3c lb.	Lycopodium, 3c lb.
Cardamom Seed, Bleached, 10c lb.	Mandrake Root, 1c lb.
Colchicum Seed, 8c lb.	Orange Peel, Sweet, 1c lb.
Ginger, African, 1½c lb.	Valerian Root, Belgian, ½c lb.
Declined	
Bayberry Wax, 1c lb.	Celery Seed, ½c lb.
Caraway Seed, Dutch, ¼c lb.	Clover Tops, 1c lb.
Chamomile Flowers, Hungarian, ½c lb.	Cloves, Zanzibar, ½c lb.
½c lb.	Henbane Leaves, 1c lb.
Roman, 5c lb.	Senna, Pods, 2c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$3.35	\$3.35	\$3.35	\$3.50	\$5.90	\$4.42
Buchu Leaves, Short .....	.76	.76	.76	.90	4.00	.85
Cantharides, Russian .....	.80	.80	.80	1.75	9.00	2.10
Cocculus Indicus .....	.03	.03	.03	.03½	.85	.03
Ergot, Spanish .....	.40	.40	.31	.38	4.50	.54
Insect Powder, pure .....	.45	.45	.46	.62	1.00	.28
Ipecac, Cartagena, Powd..	2.35	2.35	2.45	2.10	4.50	1.35
Nux Vomica .....	.05	.05	.05	.06½	.14½	.07
Opium gum	12.00	12.00	12.00	8.00	30.00	5.00
Rhubarb Root, H. D. ....	.35	.35	.35	.38	1.75	.15
Tragacanth, No. 1, ribbon.	1.15	1.15	1.15	1.45	6.00	1.50
Wild Cherry Bk., thin nat.	.08½	.08½	.08½	.11	.21	.07
Average	1.58	1.56	1.57	1.36	5.28	1.60

The development of a number of scarcities on spot this week has increased interest in the crude drug market. Dealers seem to think that if they can hold an item for a sufficient time, they will be able to obtain their price. Of course, most of the scarcities have occurred in the cheaper crude drugs, and this will tend to offset any weakness in the more important items. Crude drug importers, generally, are looking for a bull movement within the next two months, such as spice dealers have enjoyed during the last three months. Actual trading is reported narrower than the week previous. Colchicum seed is scarce and spot holders are asking 17c a pound for supplies. Cloves have eased off slightly. Chamomiles have declined to new lows for the movement.

Aconite Root—While some dealers are asking above 35c lb., supplies are ample at these figures. Leaves, 10c@12c lb.

Agar Agar—Business has been rather restricted at \$1.55@\$1.60 lb. spot for No. 1 material, and \$1.35 lb. for No. 3 goods. Shipment of No. 1 is placed at \$1.00 lb. c.i.f New York. Spot position appears to be firmer than shipment.

Aloes—Curacao steady at 10½c@11c lb. spot. Supplies are ample for present needs. Cape held at 9c@9½c lb.

Anise Seed—Spanish has advanced and now quoted at 14½c@15c lb. spot as to quantity. Market is firm with higher tendencies. Star at 11c@11½c lb.

Asafetida—Whole in active demand at 23c@25c lb. spot, and powdered material 38c@40c lb.

Balsams—Tolu has eased off to \$1.70@\$1.90 lb. spot, while Peru has been in active demand at \$1.75@\$1.80 lb. Oregon fir named at 95c@\$1.10 gal. spot, and Canadian \$10.25@\$11.25 gal.

Belladonna Leaves—Firm and active at 25c@26c lb. spot, and root, 12c@13c lb.

Buchu Leaves—Goods are obtainable at 76c@78c lb. in bales, and 81c@83c lb. for less. Dealers are complaining of the small margin in this item.

Calabar Beans—Off the market at the moment.

Candelilla Wax—Quoted higher at 28c@30c lb. spot owing to advancing shipment prices.

Caraway Seed—Dutch lower at 10c@10½c lb. spot, and African 9½c@10c lb. Futures are higher than spot values.

Cardamom Seed—Bleached has advanced sharply on scarcity and now quoted at \$2.00@\$2.25 lb. spot, and decorticated at \$1.80@\$1.90 lb.

Cascara Sagrada—New peel held on spot at 13½c@14½c lb. as to quantity, while old bark is obtainable at 18c@23c lb. Coast dealers appear to be in a position to hold over supplies until next year.

Celery Seed—Lower at 30½c@31½c lb. spot.

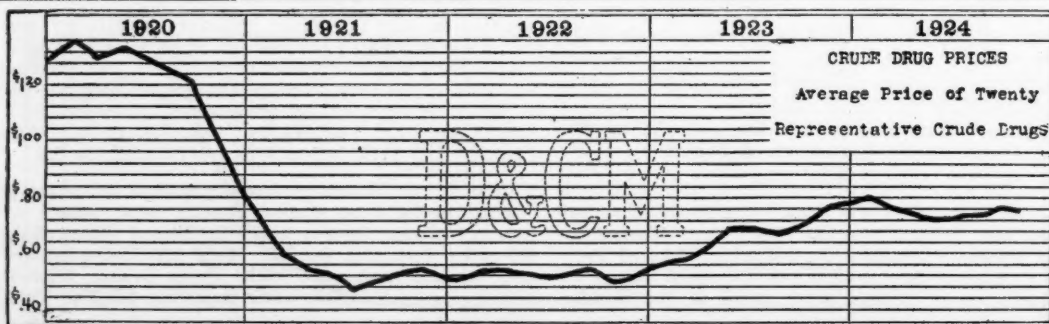
Chamomile Flowers—Roman quoted lower on easier replacements at 28c@30c lb. spot, and Hungarian 6½c@7c lb.

Clover Tops—Lower at 17c@18c lb. spot as to quantity.

Cloves—Zanzibar has eased off slightly and now quoted at 28½c@29c lb. as to quantity.

Colchicum Seed—Scarce and higher at 17c@18c lb. spot. Recent activity has reduced spot stocks materially. Shipment is also higher.

Damiana Leaves—Firm at 14c@15c lb. spot.



Dandelion Root—Spot market quoted at 27c@30c lb. as to seller. Replacement prices are higher than spot.

Ergot—Market is firm at 40c@42c lb. spot as to seller and quantity.

Fish Berries—Supplies on spot are concentrated into one hand, and he is quoting 30c@35c lb.

Ginger—African higher at 18½c@19c lb. spot, and Jamaica 26c@32c lb. spot as to quality.

Insect Powder—Spot is quoted at 45c@52c lb. for powdered as to seller. Conflicting reports have been heard as to shipment position. Some say that dealers in Japan are weakening, while others state that they are maintaining a firm attitude.

Japan Wax—Lower at 16c@16½c lb. spot as to quantity.

Juniper Berries—Firm and active at 5c@5½c lb. spot.

Lycopodium—Higher at 39c@41c lb. spot owing to active demand.

Mandrake Root—Firmer at 13c@14c lb. spot.

Marjoram Leaves—French again advanced to 30c@34c lb. spot, and German 17c@22c lb.

Orange Peel—Sweet quoted higher at 11c@12c lb. spot, and bitter 7½c@7¾c lb.

Senna Pods—Easier on slackening demand at 13c@15c lb. as to seller.

Spikenard Root—In active demand at 23c@24c lb. spot.

Turmeric Root—Madras quoted higher at 12½c@13c lb. spot, and Aleppy 11c@11½c lb.

Valerian Root—Belgian has advanced over the week to 10½c@11c lb. spot as to quantity.

Prices of crude drugs per 100 kilos at Milan, on Oct. 10, were: Spanish anise, 700 to 800 lire; Ceylon cinnamon, 2,600 to 2,900 lire; chamomiles, 320 to 340 lire; flowers of thyme, 600 to 620 lire; Zanzibar cloves, 2,600 to 2,700 lire; Geraci manna, 1,700 to 1,750 lire; nutmeg, 2,200 to 2,300 lire; Bari mustard, 370 to 390 lire; Senna leaves, 600 to 700 lire; Bourbon vanilla, 400 to 430 lire; Spanish saffron, 1,700 to 1,750 lire.

Amounts and value of kauri gum exported from New Zealand during August, according to George H. Lincks, are as follows: United Kingdom, 322 tons, value £22,305; Canada Coast, 6 tons, value £290; Australia, 1 ton, value £59; France, 6 tons, value £675; United States, 176 tons, value £16,821. Production for August was 407 tons, and for September up to the 27th 276 tons.

Miss Mary Jay Schieffelin, daughter of Dr. and Mrs. William Jay Schieffelin, New York, was married to Charles S. Brown, Jr., New York and Mt. Kisco, N. Y., Oct. 30, at the Madison Avenue Presbyterian Church by Rev. Henry Sloane Coffin.

Schieffelin & Co., New York, have sold a group of eight buildings at the southeast corner of Pearl st. and Peck Slip to the Sheinart Realty Co. for the erection of a three-story garage, which will represent an investment of about \$400,000.

John Powell, of John Powell & Co., New York, importers of crude drugs, is on a trip through the Middle West and South. He will return to New York next week.

J. Antoine Lemieus of Fall River, Mass., druggist, has filed a petition in bankruptcy, with liabilities of \$9,752 and no assets. There are 160 creditors unsecured.

Burt Goddin, general sales manager of J. L. Hopkins & Co., New York drug millers, returned Saturday from a two weeks trip through the Middle West.

WHOLESALE DRUG FIRMS REDUCE EXPENSE

A distinct improvement in the wholesale drug trade has taken place during the year due principally to reduced operating expenses, according to Bulletin 46 of the Harvard Bureau of Business Research. The net sales of a single concern, averaged from 117 firms surveyed, were \$1,100,000, the gross margin was 17 per cent of this amount, the total expense 15.6 per cent, and net profit 1.4 per cent. The stock turnover was 3.9 times in the year. The bulletin contains a 75 page discussion on conditions in the field, taking up each item of expense separately, and giving numerous charts and tables showing the costs of doing business.

Judge Adamson of the Board of U. S. General Appraisers has decided in favor of the United States in the action brought against Meyer & Lange to recover duties levied on mustard containers of special design. Judge Adamson ruled that since the containers were used to make the merchandise specially attractive, and since they cost 50 per cent more than the ordinary container used, being useful in themselves when emptied, they were therefore assessable with duty appropriate to merchandise of that character and were not tax exempt as an ordinary container.

Sponge waste imported by Leonard W. Moritz Co. was classified by the customs appraising officers as sponges and assessed at 15 per cent ad valorem under paragraph 1447, Tariff Act of 1922, less 20 per cent under section 302, commercial reciprocity treaty with Cuba of 1902. Judge McClelland of the Board of United States General Appraisers finds that since the merchandise is not capable of being used as sponges, being in an unfinished state, it is assessable with duty under paragraph 1457 at 10 per cent ad valorem, less 20 per cent under section 302.

The Federal Narcotic Division office at Baltimore will soon be transferred to Washington, according to Dr. B. R. Rhees, agent in charge. The office will be located at 1412 Pennsylvania ave., Washington, Dr. Rhees says, by the end of the present month, Baltimore will become a sub-station, with Boyd M. Martin in charge. The district includes Maryland, District of Columbia, Virginia, West Virginia and North Carolina. The office in the Baltimore Custom House will be retained for the Baltimore branch.

Lawrence Wholesale Drug Co., Lawrence, Mass., reports a surplus of \$37,560 as of Dec. 31 last. Accounts receivable were \$82,812 and notes receivable \$4,996 against which were accounts payable \$57,246 and notes payable \$41,200. An item of loans receivable is stated as fifty cents. Real estate is valued at \$57,247 and merchandise at \$83,069. Company owes on mortgages \$40,000 and shows reserve for depreciation and bad debts \$5,242. Capital is \$74,000.

Pharmacists of Maryland have so far subscribed not less than \$40,000 toward the million-dollar fund for the erection of a building for the American Pharmaceutical Association, R. E. Lee Williamson, chairman of the Maryland campaign committee, announces. This is about \$10,000 more than expected and places the State near the head of the list of States for the amount contributed in proportion to population.

White peppers, cloves, gingers, and cassias were the most active spices last week, according to John Clarke & Co., New York, who say: "Pimento is a trifle easier; black peppers, red peppers, nutmegs, and mace all show underlying steadiness and wide needs. Further changes will probably occur during November, despite that month's traditional reputation for dullness and lethargy."

The Essential Oil Market

Current Spot Quotations of Essential Oils, page 1434, Aromatic Chemicals, 1432

BUYERS BID FOR JAVA OIL CITRONELLA

Spot Stocks Scarce—Prompt Shipment Held at \$1.22 lb. c.i.f. New York—Oil Peppermint Advances Again—Oil Anise Higher—Oil Caraway Easier—Oil Lemongrass Firmer—Oil Spearmint Higher—Oil Lemon Firm for Shipment

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Anise, U.S.P., 3c lb.	Oil Peppermint, Nat'l., 25c lb.		
Oil Erigeron, 10c lb.	Redistilled, 25c lb.		
Oil Lemongrass, 5c lb.	Oil Spearmint, 15c lb.		
Oil Caraway, 15c lb.		Oil Cloves, 5c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre War
Oil Bergamot	\$3.40	\$3.40	\$3.35	\$2.75	\$7.00	\$5.00
Oil Citronella, Ceylon	.73	.73	.75	.50	1.02	.60
Oil Cloves	1.95	2.00	1.85	2.25	3.70	1.40
Oil Lemon, Italian	.88	.88	.82	.70	1.70	2.00
Oil Peppermint, Nat.	6.50	6.25	5.25	3.05	9.00	2.25
Oil Sandalwood, E. I.	6.15	6.15	6.15	7.15	13.00	3.25
Oil Sassafras Artif.	.31	.35	.35	.38	1.00	.25
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	4.50	31.00	3.10
Methyl Salicylate, Cana.	.47	.47	.47	.47	1.00	.50
Vanillin	.49½	.49½	.40½	.40	.95	.20
Average	1.30	2.30	2.20	2.19	6.83	2.05

The result of the cautious attitude among dealers in regard to forward buying is now beginning to be felt on spot prices. The firm items have been in such active demand that dealers now are quoting on replacement values only. With importers asking for quotations from primary markets, shippers have an excuse to advance prices. The large movement of goods into consuming channels has left dealers with small stocks with which to do business. When oil Java citronella was being quoted at 85c per pound, importers thought the price was too high, and refused to buy for future delivery. With strong hands controlling the primary market, the price gradually advanced until now \$1.22 pound is wanted for prompt shipment. One importer says this figure cannot be done in a large way.

Essential Oils

Oil Almond—Sweet active and firm at 60c@65c lb. spot as to seller and quantity. Bitter named quiet at \$3.15@3.25 lb.

Oil Anise—Spot holders have advanced their prices and now quote 55c@57c lb. for U.S.P. material, and 52c@54c lb. Stocks carried in New York have com-

menced to be somewhat reduced. Shipment prices are tending up.

Oil Bay—In small demand at \$2.20@2.30 lb. spot as to quantity. Last week 3 cases were imported at New York.

Oil Bergamot—Coppers are still obtainable at \$3.40@3.50 lb. spot, but shipment is on the upward swing.

Bois de Rose—Scarce on spot at \$4.75@5.25 lb. as to quantity.

Oil Caraway—Has declined and now quoted at \$3.35@3.50 lb. spot as to quantity. Some sellers think that prices are about as low as they can go, although not so long ago sales were made at \$3.85 lb.

Oil Carvol—Also lower in sympathy with the raw material at \$11.00@12.00 lb. spot.

Oil Cassia—Holders on spot want at least \$2.75 lb. up to \$2.90 lb. as to seller for redistilled material. Natural is still off the market. Some goods are expected, however, in the near future.

Oil Cedar Wood—Quoted on spot at 75c@85c lb. as to seller and quantity. Stocks on spot are reported not to exceed 2,000 pounds.

Oil Citronella—Java is firm at \$1.50@1.60 lb. spot in drums, and \$2.00@2.10 lb. in tins. Arrivals last week at New York were 24 drums, which will probably pass directly into consumption. This arrival is being sold fast, in fact, buyers are rushing for the goods in order to make geraniol, which they have sold heavily during the past three months. Ceylon quiet at 73c@80c lb. spot in drums, and 76c@83c lb. in tins.

Oil Cloves—Slightly easier at \$1.95@2.00 lb. spot in cans, and \$2.05@2.10 lb. in bottles.

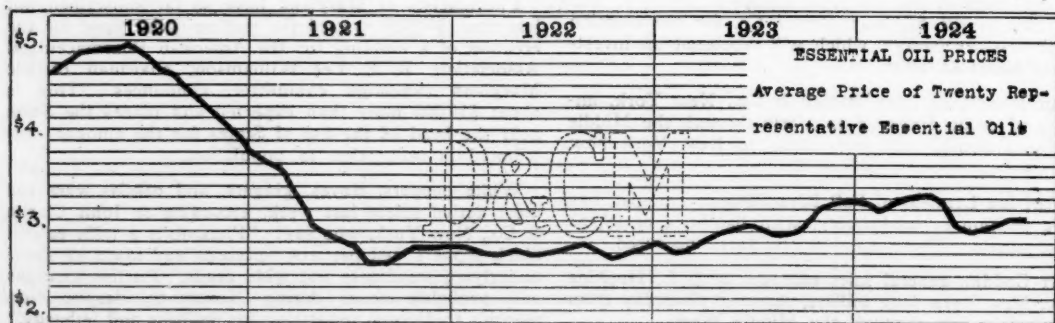
Oil Erigeron—Higher at \$1.55@1.60 lb. spot as to quantity.

Oil Eucalyptus—Firm at 57c@59c lb. spot in drums, and 59c@60c lb. in cases. Imports last week at New York were 120 cases.

Oil Lemon—Spot Italian is firm at 88c@1.00 lb. spot as to seller. Supplies are tending scarce both on spot and in the primary market. American, 75c@80c lb.

Oil Lemongrass—Recent activity has reduced spot stocks materially, and now best price is 95c lb. up to \$1.10 lb. Shipment is named at 95c lb. laid down in New York.

Oil Orange—Italian quiet at \$2.70@2.90 lb. spot, and American \$2.75@2.80 lb.



Oil Peppermint—Natural has advanced again and now quoted at \$6.50@\$6.75 lb. spot, and redistilled \$7.00@\$7.25 lb. Country holding at \$6.00 lb. and up. Demand active for export.

Oil Spearmint—Has advanced and now quoted at \$3.55@\$3.65 lb. spot as to quantity and seller.

Oil Wormseed—Spot goods are obtainable at \$4.25@\$4.50 lb. with replacements named at same figures. Tendency, however, is to a lower market in the country.

Aromatic Chemicals

Acetophenone—In small demand at the moment at \$4.25@\$4.50 lb. spot as to quantity.

Coumarin—In steady call with makers naming \$3.25@\$3.45 lb. spot, and resellers \$3.25@\$3.30 lb.

Diethylphthalate—Makers report a quiet market at 40c@45c lb. spot in cans, and 35c@40c lb. in drums.

Musk Ambrette—Demand continues active with quotations named at \$12.00@\$13.00 lb. spot as to seller.

Vanillin—Makers are firm at 49½c@51c oz. spot as to quantity, while resale quarters are inside at 47c@50c oz.

Producers of citrate of lime in Sicily made 7,568 metric tons in the season of 1921-1922, total sales being 12,341 tons, according to a consular report. The United States took about one-half of this amount in anticipation of the increased duty of 1c to 7c per lb. under the act of 1922. Production for 1922-1923 was 7,306 metric tons and sales 4,175 tons. The Camera Agrumaria, in sales of citrate for the producers, will not make any further advances upon citrate deposite in the warehouses from the 1923-1924 season on, but an effort will be made, by making payments only on sales, to reduce an indebtedness of 90,000,000 lire and a stock of nearly 20,000 tons.

Essential oil demand has been fairly good, and it is noteworthy that the markets almost without exception are in sellers favor, according to "The Chemist and Druggist," of London, which says: "American peppermint and Japanese mint are both dearer. Clove oil has advanced, and the long-looked-for advance in Mysore sandalwood has taken place. French lavender is dearer, and Spanish spike has also moved upwards. Bourbon vetiver is higher. American wormseed is cheaper owing to new crop arrivals, but the outlook is steady. Ceylon cinnamon leaf is a trifle easier. Eucalyptus is dearer to arrive."

The biography of William G. Ungerer published in the "Who's Who" column in DRUG & CHEMICAL MARKETS failed to make it plain that the original firm was founded by W. P. Ungerer, father of W. G. Ungerer, in 1893; in 1901 W. G. Ungerer founded Ungerer & Co., successors to W. P. Ungerer. Mr. Ungerer is not now a member of the Drug & Chemical Club, although he was instrumental in founding it.

C. R. Meehan, of Arthur A. Stilwell & Co., New York, essential oil importers, returned to America on the "American Merchant," which arrived in New York on Nov. 4. Mr. Meehan has been in England and France for two months, studying the European requirements for American essential oils.

Oil spearmint was advanced in the country, last week, and is now quoted at \$3.50 pound f.o.b. The local trade looks for much higher prices in this item for spot stocks have been materially reduced.

Perfumery, Soap & Allied Industries of New York held its first Fall dinner and meeting at the Hotel Astor on Wednesday evening, Oct. 29.

ITALIAN ESSENTIAL OILS LOWER

Better Demand for Lemon and Mandarin Juice—Prices of Synthetic Products

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Oct. 15.—The essential oil market is still under the influence of the lower prices in the districts of production, especially in the case of sweet orange oil, bitter orange oil, and bergamot oil. Lemon juice and mandarin juice prices, owing to better demand, are on the rise.

The principal fluctuations during the last four weeks are shown in the following table:

	Sept. 8	Sept. 15	Sept. 22	Sept. 29
Sweet orange oil.....	115-122	112-116	112-116	112-116
Bitter orange oil.....	107-117	105-110	107-110	107-110
Bergamot oil	185-192	180-186	180-184	180-184
Lemon juice	33-37	35, 50-37	35, 50-37	36, 50-37, 25
Mandarine juice	300-317	300-317	300-322	300-322

Quotations per kilo for natural essential oils are: Angelica root, 1,000 lire; anis, 40 lire; arnica flowers, 3,000 lire; Absynth, 250 lire; Bay St. Thomas, 353 lire; eucalyptus, 37 lire; Roman chamomiles, 2,500 lire; Ceylon cinnamon, 380 lire; Ceylon citronella, 62 lire; Burma citronella, 65,85 lire; red thyme, 80 lire; cloves, 152 lire; African geranium, 440 lire; Indian sandalwood, 400 lire; lemongrass, 52 lire; petit grain, 280 lire; lavender, 270 lire; pressed Calabrian lime juice, 85 lire; Piedmontese peppermint, 270 lire; Italian rose, 3,800 lire; French rosemary, 26 lire; Italian rosemary, 26,10 lire; mustard seed, 250 lire; ylang ylang, 800 lire.

Quotations per kilo for synthetic products used in perfumery are as follows on the Milan market: Benzyl acetate, 40 lire; benzyl alcohol, 35 lire; liquid artificial amber, 300 lire; citral, 150 lire; citronellol, 200 lire; crystallized coumarine, 240 lire; crystallized heliothrine, 120 lire; eucalyptol, 45 lire; eugenol, 175 lire; saphrol, 30 lire; terpineol, 35 lire; thymol, 150 lire; vanillin, 100%, 350 lire; wintergreen, 36 lire; yara yara, 40 lire.

OIL LEMON IN FAIR DEMAND

Oil lemon was in fair demand throughout September, according to Joseph H. Bowne, New York, agent for Fratelli Jung, Palermo. The report from Italy states: "Stocks have shrunk rapidly and prices have risen steadily, and although in the last few days the inquiries coming in from abroad have been less insistent and the market is consequently a little quieter, still the underlying sentiment of the market must be regarded firm. The long drouth which we have experienced from early Summer until the first days of October has delayed the development of the new crop of lemons and it is even feared that the lack of rain may have had an adverse effect on the quantity of fruit which the trees can carry, as well as on the amount of oil recoverable from the skins. Profiting by these doubts and by the probability of a very small carryover from this season, bullish speculators who have been interesting themselves in new crop oil have succeeded in taking prices higher. Both spot and new crop oil orange remain practically unchanged, although a slightly firmer tone is to be noted for new crop, due chiefly to the backwardness of the crop. The market for spot oil bergamot has weakened considerably, while new crop, on the other hand, remains firm."

Prices of Sicilian essential oils, lemon, sweet and bitter orange, bergamot and mandarin, were slightly lower in 1923 than in 1922, and exports were slightly lower than for the preceding year, says a consular report. Exports in 1923 were 2,036,064 lb. and for 1922 2,170,148 lb. The United States took 566,487 lb. in 1923 and 794,960 lb. in 1922.

Drug Consuming Industries

PHILADELPHIA DRUG SALES INCREASING (Special to DRUG & CHEMICAL MARKETS)

Philadelphia, Nov. 5.—The call for drugs is good and reports from wholesalers indicate that sales are slightly larger than they were last month and greater than in October, 1923, according to the monthly business survey just completed by the Federal Reserve Bank of Philadelphia, reviewing conditions in the Third Federal Reserve District. Medicines for coughs and colds, toilet preparations and staples are at present the best sellers. The botanical drug market is fairly active, says the bank, and prices, though lower than they were early this month, are about the same as they were at the close of last month. Fine chemicals are not quite so active as a month ago and prices are somewhat lower.

Sales during September were 5.7 per cent larger than in August, and 9.2 per cent greater than in September, 1923. Stocks at the close of September were practically the same as at the close of August, but were 8.3 per cent smaller than a year ago.

SEES NO HOPE OF LOWER JASMIN PRICES


Jasmin values are expected to remain high as an exceptional demand for the flowers still continues, and growers are able to exact almost any price they like (as much as 32 francs per kilo has been paid) according to the "La Parfumerie Moderne," which says: "The Paris perfumery houses, which use large quantities, very naturally took alarm, and through their association, the

Syndicate of Parisian Perfumers, and its president, M. Bienaime, compelled the Grasse growers to lower their prices a little. The price finally settled on was 27,50 to 28.50 francs per kilo, which is about 10 francs above last year's rate. These abnormal figures necessarily imply a correspondingly high cost for oil jasmin, which will bring about 20,000 francs per kilo, and all the compounds containing jasmin in material amounts will, of course, participate in the advance."

Opium requirements for the twenty-five nations, representing 745,000,000 people, have been placed at 551,548 kilos, of which India's requirements are 364,800 kilos and the United States, 61,818 kilos, according to a report made by the second opium conference of the League of Nations. Per capita requirements for the United States are 1.56 grams, compared to 1.14 grams for India, and 1.2 grams for Switzerland. The purpose of the opium conference is to control by mutual agreement and international co-operation the production, manufacture, and distribution of opium.

Imports of essential oils into the United Kingdom during September, were 319,040 pounds, valued at £94,886, and for the nine months ending Sept. 30 were 3,075,137 pounds, valued at £858,583. Re-exports during September were 71,116 pounds, valued at £24,858, and for the nine months ending Sept. 30 were 791,152 pounds, valued at £280,739.

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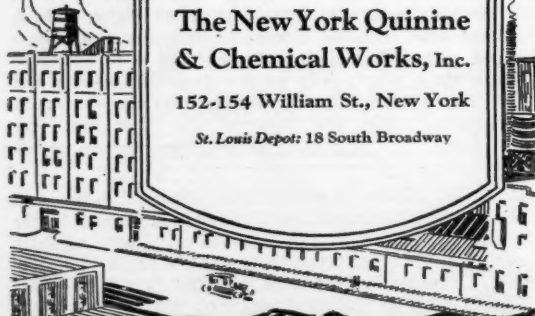
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Exports from Mexico to the United States for 1922 and 1923, according to the Department of Commerce, were as follows, in pounds: Candelilla wax, 220,605 in 1922, 891,022 in 1923; vanilla beans, 88,391 in 1922; 246,174 in 1923; chicle, 2,929,282 in 1922, 1,773,521 in 1923; jalap root, 119,334 in 1922, 163,971 in 1923; sarsaparilla root, 268,710 in 1922, 156,267 in 1923; quicksilver, 93,627 in 1922, 95,030 in 1923; arsenious acid, 722,094 in 1922, 4,222,615 in 1923; glycerin, 120,546 in 1922, 340,601 in 1923; and dyewoods for 1922, 6,879 tons, for 1923, 2,853 tons.

A plebiscite on the question of prohibition or the sale of liquor under government control in the Province of Ontario, Canada, resulted in favor of the continuance of prohibitory legislation. The vote has no legal effect, being merely an expression of opinion, but the Provincial Government has promised to be guided by it in future legislation.

Exports of castor seeds from India during seven months ended July 31 were 57,038 tons, of which North America received 21,028 tons. Exports of castor oil for the same period were 353,000 gallons.

Exports of rapeseed from port of Karachi, India, during August were 6,368 tons and cottonseed 392 tons, according to Vice Consul William B. Douglass, Jr.

Exports of ginger from Jamaica during 1923 were 17,530 cwt., compared with 13,674 cwt. in 1922, and 12,361 cwt. in 1921.

Richard Hudnut has filed judgment for \$350.43 in New York County against Donovan Brothers, Inc.

Books of Trade Interest


THE CHEMISTRY OF ENZYME ACTIONS. By K. George Falk, of the Roosevelt Hospital, New York. 242 pages, 8 vo. Second Edition. American Chemical Society Monograph Series. The Chemical Catalog Co., New York. 1924.

The study of enzyme actions is of importance not only in connection with, and as a part of, chemical science, but also in its biological aspects because of the bearing of such actions upon the chemical changes occurring in life processes. Considerable new material has been incorporated in this edition; at the same time the essential parts of the former edition have been retained.

THE STORY OF EARLY CHEMISTRY. By John Maxson Stillman, late professor emeritus of chemistry, Stanford University. 539 pages, 8 vo. D. Appleton & Co., New York. 1924.

The story of the development of chemical knowledge and science, from the earliest times to the close of the eighteenth century, in a connected and systematic way, not as a condensed encyclopedia, but rather by placing the emphasis upon such discoveries and speculations as have made a decided impress on the growth of the science, has been told in this volume. For the benefit of the reader, the author has compiled a bibliography of the principal works consulted in the preparation of the book, but not including journals or proceedings of standard societies.

Exports of pimento from Jamaica during 1923 were 84,100 cwt., compared with 105,000 cwt. in 1922, and 80,492 cwt., valued at £44,272, in 1921.



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Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilogram
1 Kilogram	—2.20	Pounds


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Chemicals

ACETANILID , tech. 150 lb bbls.26	.28	Acid Carbolite —(continued)			Acid, hydrofluoric —(continued)		
100 lb keg. . . . .	.27	.30	Liquid USP, 1 lb bot. . . . .	.34	.35	60% 100 lb cty., wks. . . . .	.14	
USP 200 lb bbls. . . . .	.36	.38	Crude, 25% 50 gal. bbls. . . . .	.33	.35	60% 300 lb dr., wks. . . . .	.13	
Second Hands . . . . .	.35	.36	10% 50 gal. bbls. . . . .	.27	.30	White Acid, 100 lb cty. wks. . . . .	.26	
Acetic Anhydride			Carbonic , see Carbon Dioxide			White Acid, 10 ctya. wks. . . . .	.25	
85-89% 107 lb ctya. . . . .	.40		Chloracetic			Hydrofluosilicic , 35% 450 lb bbls.		.13
90-95% 100 lb ctya. . . . .	.43		mono 100 lb bbls, wks. . . . .	.25		wks.		
C.P. 100 lb ctya. . . . .	.40		DI. 150 lb ctya wks.	1.00		Hypophosphorous , USP 30% 5		.85
Acetone , CP 700 lb dra. c/l wks. . . . .	.16	.17	Tri. 425 lb bbls, wks.	2.50		gal. demis. . . . .		.30
700 lb dra. 1c/l wks. . . . .	.16 1/2	.18	Chlorosulfonic , 1500 lb dra.			USP, 10% 5 gal. demis. . . . .		.30
350 lb dra. 1c/l wks. . . . .	.16 1/2	.18	wks. . . . .	.15	.16	LACTIC , 22% dark 500 lb bbls. . . . .	.05	.05 1/2
Second Hands, spot . . . . .	.16 1/2	.17 1/2	Chromic , USP 200 lb drums. . . . .	.40		22% light bbls. . . . .	.06	.06 1/2
Acetone , 100 gal. drums. . . . .	.35		85% Pure, 200 lb drums. . . . .	.35		44% dark, bbls. . . . .	.10 1/2	.11
Acetone Oils , light, dra. wks.	1.40	1.45	Chromotropic , 300 lb bbls.	1.35		44% light, bbls. . . . .	.12 1/2	.13
Heavy, dra. wks.	1.40	1.45	Chrysophanic , see Chrysarobin			60% bbls, dark, bbls. . . . .	.16 1/2	.17
Acetophenetidin , 150 lb bbls.	1.83	1.90	Cinnamic, 5 lb cans	3.93		66% light, bbls. . . . .	.26	.26 1/2
Acetyl Chloride , 100 lb ctya. . . . .	.40	.41	CITRIC , USP cryst. 230 lb bbls. . . . .	.46		USP IX 100 lb ctya. . . . .	.75	
ACID , 1, 2, 4, 250 lb bbls.		1.30	Powd., USP, 200 lb bbls. . . . .	.47		USP VIII 100 lb ctya. . . . .	.70	
Acetic , 28%, 400 lb bbls., c/l			Imported, crys. 112 lb kegs. . . . .	.45 1/2	.46	Laurent's , 250 lb bbls. . . . .	.90	
wks.	3.12		Single kegs . . . . .	.47		Metanille , 250 lb bbls. . . . .	.60	.65
28%, 1c/l wks.	3.37		Cleves , 250 lb bbls.	1.00	1.10	Mixed, sulfuric-nitric		
54%, c/l wks.	5.85		Crucible, 95% dark dr. NY. . . . .	.63	.65	Drums, wks. . . . .	.07 1/2	.08
54%, 1c/l wks.	6.10		97-99% pale, dra. NY. . . . .	.65	.75	Drums, wks. . . . .	.01	.01 1/2
70% bbls., c/l wks.	7.20		Crude, spot, drums . . . . .	.55	.60	Tank cars, wks. . . . .	.06 1/2	.07
70% 1c/l wks.	7.45		Diethylbarbituric , Dom., 25 lb lots.			Tank cars, wks. . . . .	.009	.01
80% coml. bbls., c/l wks. 100 lb	8.19		1 lb bot.	10.00	12.00	Molybdic , 85% pure 100 lb kegs.	1.35	1.60
80% coml. 1c/l wks.	8.44		Imp. 10 lb lots	3.30	3.40	100% C.P. 100 lb kegs.	2.00	2.10
80% pure bbls., c/l wks. 100 lb	9.98		Formic 85% tech. 140 lb ctya. . . . .	.11	.11 1/2	Monosulfonic F , Delta, 50 lb		2.20
80% pure 1c/l wks.	10.23		90%, 80 lb ctya. incl. . . . .	.11 1/2	.12	time		
Glacial, bbls., c/l wks.	11.01		Gallie , USP, 150 lb bbls. . . . .		.70	MURIATIC , 20° ctya. 1c/l		
Glacial, 1c/l wks.	11.28		Gamma , 225 lb bbls, wks.	1.40	1.50	wks.	1.60	1.75
Glacial USP cty. wks.	11.76		Glycerophosphoric , 25% 1 lb b.	1.85	1.95	Ctya. c/l wks.	1.20	1.25
Acetylmalleylic , 230 lb bbls. . . . .	.75	.85	H 225 lb bbls wks. . . . .	.72	.75	Tank cars, wks.	1.00	1.10
Second Hands . . . . .	.72 1/2	.84	Hydriodic , 10% USP 5 lb bot. . . . .		.75	18° , 120 lb ctya.	1.00	1.10
Anthranilic , tech., drs.		1.00	Hydrobromic , 48% coml. 155 lb			c/l wks.	1.00	1.10
90-100% 100 lb dra. . . . .	.75	.75	ctya. . . . .	.35	.40	Tank cars, wks. . . . .	.06	.07
Benzole , tech. 100 lb bbls. . . . .	.75	.75	48% coml. 10 ctya. wks. . . . .	.45	.46	22° , 120 lb ctya.	1.75	2.00
Tech ton lots bbls. . . . .	.75	.85	40% USP 155 lb ctya. wks. . . . .	.45	.46	c/l wks.	1.00	1.10
USP, 100 lb bbls. . . . .	.70	.74	10% USP 100 lb ctya. wks. . . . .	.11	.13	Iron , free 20° ctya.		
Second Hands . . . . .	.70	.74	Hydrochloric , see also Acid Muriatic			c/l wks.	1.00	1.10
Boric , crys. powd. 250 lb bbls. . . . .	.09 1/2	.10	CP, USP, 110 lb ctya. . . . .	.03	.11	Tank cars, wks. . . . .	.06	.07
Kegs, 100 lb . . . . .	.10	.10 1/2	HYDROFLUORIC , 30% 400 lb bbls.			Muriatic , CP & USP, see Acid Hydrochloric		
Brownner's 250 lb bbls. . . . .	.13	.15	wks. . . . .	.07		Naphthalenic , tech. 250 lb bbls. . . . .		.63
Butyric , 60% pure 5 lb bot. . . . .	.40	.50	30% bbls. c/l wks. . . . .	.06		Refined, single bbls. . . . .		.65
C.P. 10 lb bot.	1.25	1.50	30% 100 lb ctya. wks. . . . .	.07		Neville & Wither's , 250 lb	1.03	1.10
Camphoric , USP, VIII 1 lb bot.	5.90	6.00	48% single 100 lb ctya. wks. . . . .	.11		bbls.		
Carbolic , USP crys. see also Phenol			48% 10 ctya. wks. . . . .	.10				
112 lb time . . . . .	.26	.27	52% 100 lb cty. wks. . . . .	.14				
25 lb time . . . . .	.28	.29	52% 10 ctya. wks. . . . .	.11				
5 lb time or bot. . . . .	.30	.32						
1 lb bot. . . . .	.35	.36						

PRICES CURRENT SECTION

<p>Photographic</p> <p>Iodized Negative (base) Stripping</p>	<p>Collodion</p> <p><u>Amyl Acetate</u> 6 oz. stock. We also make up to your exact specifications.</p>	<p>Medicinal</p> <p>U. S. P. Plain U. S. P. Flexible</p>
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Chemicals

ACID, NITRIC, 36° 180 lb			ACID, Sulfuric			ALCOHOL—(continued)		
lc/l cys. wks.....100 lb	4.75	5.25	lc/l wks.....100 lb	1.50	1.75	Isopropyl, crude 50 gal. dra.....gal	4.50	
Chys. c/l wks.....100 lb	4.50	4.75	Drums, c/l wks.....100 lb	1.25	1.50	Refined, 90% 50 gal. dra.....gal	6.90	6.95
38° lc/l cys. wks.....100 lb	5.25	5.75	Tank cars, wks.....net ton	17.00	18.00	Ref'd, 99% dra.....gal	8.75	8.85
Chys. c/l wks.....100 lb	5.00	5.25	Contract cars, wks.....ton	...	...	Methyl, see Alcohol, Wood		
40° lc/l cys. wks.....100 lb	5.75	6.00	Oleum, 40% dra lc/l wks.net ton	...	40.00	Propyl, nml. crd. 50 gal. drms.gal	4.40	
Chys. c/l wks.....100 lb	5.50	5.75	Oleum, 60% dra, lc/l wks. net	60.00	70.00	Refined, 16 lb cans.....lb	...	.75
42° lc/l cys. wks.....100 lb	6.25	6.75	Sulfurous, USP 6% 100 lb cys. lb	.05	.05	Denatured		
Chys. c/l wks.....100 lb	6.00	6.25	4% 100 lb cys.....lb	.04	.05	No. 1 Complete Denat. 188 Proof		
C. P. cys. single wks.....100 lb	.13	.16	USP, 5 gal. demis.....lb	.06	.08	50 gal. bbl. incl.....gal	.65%	.67%
Ozalic, 300 lb bbls., wks.....lb	.09%	.09%	Tannic, tech. 300 lb bbls.....lb	.30	.40	50 gal. drums, extra.....gal	.58%	.60%
Bbls., NY.....lb	.09%	.10	USP, powd. 200 lb bbls.....lb	.75	.80	No. 1 Special Denat. 190 Proof		
Kgs., 100 lb NY.....lb	.10%	.11	USP, fluffy, 50 lb bbls.....lb	.75	.80	50 gal. bbl. incl.....gal	.64%	.66%
Imp., 560 lb casks.....lb	...	.09%	Tartaric, USP cryst 300 lb bbls.....lb	...	.29	50 gal. drums, extra.....gal	.57%	.59%
Phenylcinchonine, domestic.....lb	8.50	9.00	USP, powd., 300 lb bbls. lb	...	.29	No. 5 Complete Denat. 188 Proof		
Imported, 5 lbs.....lb	7.00	7.25	Imp. USP, 240 lb bbls.....lb	.26	.27	50 gal. bbls. incl.....gal	.63%	.65%
Phosphoric, 50% tech. 100 lb			Pow., 240 lb bbls.....lb	.26	.27	No. 6 Complete Denat. 188 Proof		
cys.....lb	.09	.10	Tobias, 250 lb bbls.....lb	.90	.95	50 gal. bbls. incl.....gal	.62%	.64%
USP, Syrupy 85°, 70 lb.			Tungstic, 100 lb kgs.....lb	...	1.00	50 gal. drums, extra.....gal	.55%	.57%
demis.....lb	.16	.17	Valeric, C.P., 10 lb bot.....lb	2.50	2.75	In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Imported.....lb	...	...	Acortine Alk. cryst. 1 oz. vis. oz	...	30.00	Aloin, USP, 100 lb cases.....lb	.88	.90
Phthalic, see Phthalic Anhydride			Amorphous, 1 oz. vis.....oz	...	20.00	Alpha-Naphthol crude 300 lb bbls. lb	...	.65
Picramic, 300 lb bbls.....lb	...	.65	Adepe Lanae, hydrous 350 lb bbls. lb	.15	.21	Refined.....lb	...	.80
Picric, 450 lb bbls.....lb	...	.50	Anhydrous, 350 lb bbls.....lb	.18	.23	Alpha-Naphthylamine, 350 lb bbls. lb	.35	.37
Bbls. car lots wks.....lb	.20	.25	Albumen, Egg, edible.....lb	...	1.35	Ton lots, bbls. wks.....lb	...	.35
Pyrogallic, crys. 5 lb cans.....lb	1.25	1.30	Blood.....lb	.45	.50			
Resublimed, 5 lb cans.....lb	1.55	1.65	Vegetable.....lb	.60	.70			
Tech. powd., 200 lb bbls.....lb	...	.85	Technical, see Dyers Sundries					
Salicylic, tech., 125 lb bbls.....lb	.33	.34	ALCOHOL, USP 190 pt. 50 gal. bbls.	4.92	5.01			
USP, 100 lb bbls.....lb	...	.35	Second Hands, bbls, USP 190 pt.	...	...	
Second Hands.....lb	.32	.33	Export, USP, 190 pt.....gal	.55	.85			
Sulfanilic, 250 lb bbls.....lb	.16	.20	Cologne Spirit, 50 gal. bbls.gal	5.00	5.10			
SULFURIC, 66° 180 lb cys.			WOOD, see Methanol					
lc/l wks.....100 lb	1.50	1.85	Alcohols also in 50 gal. drums extra and returnable.					
Chys., c/l wks.....100 lb	...	1.35	Amyl, see Oil Fusal					
1500 lb Drums, lc/l			Butyl, 50 gal. drums, wks. lb	...	.32			
wks.....100 lb	...	1.25	Tank cars, wks.....lb	...	.30			
Drums, c/l wks.....100 lb	...	1.10	Isobutyl, crude 50 gal. drums.gal	...	...	
Tank cars, wks.....net ton	...	14.00	Refined, 10 lb can.....lb	1.10	1.20			
60° 1500 lb Drums								
lc/l wks.....100 lb	.75	1.00						
Drums, c/l wks.....100 lb	.65	.75						
Tank cars, wks.....net ton	9.00	9.50						
C. P. 175 lb cys.....100 lb	.08	.09						

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Chemicals

ALUM, Ammonia, lump 400 lb bbls.			AMMONIA, anhyd. 100 lb cyl...			AMMONIUM—(Continued)		
Wks. ....100 lb	3.15	: 3.75	Water, 26° 800 lb drs. wks. lb	...	.06%	Persulfate, 112 lb cases..... lb	.35	: .40
Imp., 500 lb casks.....100 lb	...	...	Drs. c/l wks..... lb	...	.06%	Phosphate, dibasic 200 lb bbls. lb	...	.38
Ground, 400 lb bbls. wks.100 lb	3.30	: 4.00	C.P., clys. lb	...	.14	Tech., powd. 325 lb bbls. lb	...	.18
Powd. 380 lb bbls. wks. 100 lb	3.45	: 4.25	Imp., 800 lb drs. incl. spot. lb	...	.06%	Phosphate, mono, 325 lb bbls. lb	...	.12%
Chrome 500 lb cks. wks. 100 lb	5.50	: 6.00	26° 100 lb clys. le/l wks. lb	...	.07%	Salicylate, USP 100 lb kegs. lb	.70	: .75
Potash, lump 400 lb bbls.	...	...	Clys., c/l wks..... lb	...	.07%	Sulfate, bulk, c/l wks.....100 lb	2.65	: 2.70
Wks. ....100 lb	3.60	: 3.80	20° 800 lb drs. le/l wks. lb	...	.05%	200 lb single bgs. c/l wks.100 lb	...	2.75
Blk. c/l wks.....100 lb	...	3.10	Clys., le/l wks..... lb	...	.06%	200 lb double bgs., f.a.s.100 lb	...	2.90
Imp. 650 lb cases a.p.....100 lb	2.75	: 3.00	18° 800 lb drs. le/l wks. lb	...	.04%	Sulfocyanide, tech. 100 lb kgs. lb	.50	: .60
Ground 400 lb bbls. wks.100 lb	3.25	: 3.75	Clys., le/l wks..... lb	...	.05%	(P. 25 lb jars	.60	: .70
Imp. 650 lb casks.....100 lb	2.50	: 2.75	16° 800 lb drs. le/l wks. lb	...	.04%	Amyl Acetate, tech. 50 gal. drs. gal	3.00	: 3.15
Powd., 380 lb bbls. wks.100 lb	3.50	: 4.25	Clys., le/l wks..... lb	...	.05%	Refined, 50 gal. drums....gal	3.60	: 3.75
Chrome, 700 lb cks wks.100 lb	5.50	: 6.00	Ammonium Acetate, 100 lb kegs. lb	...	.37	Alcohol, see Fusel oil	...	...
Soda grd. 400 lb bbls. wks.100 lb	...	4.00	Benzoate, USP, 1 lb bot.... lb	...	.95	ANILINE OIL, 900 lb drs..... lb	.16	: .17
Bbls. c/l wks.....100 lb	...	3.50	Bifluoride, 300 lb bbls..... lb	.22	: .23	Aniline Salt, 200 lb bbls..... lb	.18	: .22
Aluminum, metal, c/l NY.....100 lb	27.00	: 28.00	100 lb kegs lb	.23	: .24	Anthracene, 80-85%, 600 lb casks	...	...
Chloride, anhyd. 275 lb drs. lb	.20	: .22	Bromide, 50 lb boxes lb	.54	: .55	Wks. lb	.80	: .85
Crystals, 375 lb bbls..... lb	...	.06%	Imported, 112 lb boxes..... lb	.44	: .46	28-30%, Imp. lb	.02	: .02%
30% sol. 120 lb clys..... lb	.03%	: .04	Carb., tech. 560 lb casks..... lb	...	.08%	Anthraquinone, subl. 125 lb bbls. lb	1.00	: 1.15
Hydrate 96% light 90 lb bbls. lb	.17	: .18	Powd., tech. 385 lb bbls. lb	...	.09	Antimony metal, slabs ton lots.100 lb	...	.12
Heavy 62-64%, 220 lb bgs. lb	.06	: .06%	USP, lump, 100 lb kegs..... lb	.12%	: .13%	Needle Powd., 100 lb cases..... lb	...	.09%
400 lb bbls. wks..... lb	.06%	: .07	Powd., 100 lb kegs lb	.11%	: .12	ANTIMONY CHLORIDE, anhyd 1000 lb	...	...
SULFATE, Iron-free bags c/l	...	...	Chloride, Domestic	...	...	drs. lb	...	.35
Wks. ....100 lb	2.25	: 2.35	White, 250 lb bbls., c/l.... lb	...	.07%	50 lb crocks lb	.45	: .48
Imported, spot .....100 lb	2.00	: 2.25	250 lb bbls. le/l wks..... lb	...	.07%	Sol'n, 130 lb carboys 33°... lb	...	.06
Comm'l., ¾% iron, bgs. c/l	...	...	Imp. wh. 250 lb casks spot. lb	.06	: .06%	Oxide, 500 lb bbls..... lb	...	.11
Wks. ....East 100 lb	...	1.35	Gray 250 lb bbls. wks..... lb	.08	: .08%	Salt, dom. 500 lb bbls..... lb	...	.25
Cont. bgs. c/l wks. E.100 lb	1.30	: 1.35	Bbls., c/l wks..... lb	...	.07%	Imp., NY lb	...	.19
Bags, c/l wks. W.....100 lb	...	1.30	Imp. gray 250 lb casks..... lb	.07%	: .08	Sulfuret, golden 500 lb bbls.... lb	...	.2
Bbls., c/l wks. East.100 lb	...	1.50	Lump, 500 lb casks spot.... lb	.12	: .12%	336 lb kegs lb	...	.19
Bulk, c/l cont. wks. E.100 lb	...	...	Ichthyolate, as to brand..... lb	4.85	: 5.00	Crimson, 500 lb bbls..... lb	...	.38
amidol, (see Diaminophenol)	...	...	Iodide, USP, 25 lb jars..... lb	...	5.20	336 lb kegs lb	...	.38
Amidopyrine, Imp. 10 lb boxes. lb	4.35	: 4.50	Lactate, 500 lb bbls..... lb	.15	: .16	Red, 500 lb bbls..... lb	...	.45
Domestic, 10 lb boxes lb	...	4.60	Nitrate, tech. crys. 225 lb bbls. lb	...	...	336 lb kegs lb	...	.42
Aminooazobenzene, 110 lb kgs.... lb	...	1.15	Refined Crystals, bbls..... lb	.21	: .23	Tartrolactate, 500 lb bbls.... lb	...	.45
			CP gran. 100 lb kegs..... lb	.35	: .37	Antipyrine, USP, 100 lb cases.... lb	1.90	: 2.00
			Oxalate, pure, 100 lb kegs.... lb	.40	: .42	Apomorphine Hydrochloride, ¼ oz. vial. oz	...	22.75
						Arecoline Hydrobromide, 1 oz. vial. oz	6.25	: 7.82
						Argols, red powd. 350 lb bbls. lb	.06	: .07

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PRICES CURRENT SECTION

Chemicals

Arsenic, metal, 220 lb kegs.....lb45	Benzidine Base, dry 250 lb bbls. lb	.75	..	.80	BISMUTH—(Continued)			
Red, 224 lb kegs cases.....lb	.15	..	.15%	Benzidine Sulfate, paste 350 lb bbls. ....lb	.70	..	.72	Subiodide, 5 lb lots.....lb	...	...	4.50
White, 220 lb cases to 550 lb bbls. NY.....lb	.06%	..	.07	Benzoin, see Benzene				Subnitrate, USP, 25 lb jars.....lb	...	...	2.70
Asbestos, see Acid acetylalicylic	ton	16.00	18.00	Benzonaphthol, 5 lb boxes.....lb	3.50	..	3.60	Second Hands.....lb	...	...	2.60
Aspirin, see Acid acetylalicylic				Benzoyl Chloride, 500 lb drs.....lb	...	..	1.00	Cones, 1 lb. bot.....lb	...	...	3.89
Atropine, Alk. USP, 1 oz. vial.....oz	5.00	..	5.57	Benzyl Acetate, 100 lb clys.....lb	1.55	..	1.75	Subnalcylate, USP, 175 bbls.....lb	...	...	2.95
Sulfate, 5 oz. cans.....oz	...	...	2.75	Alcohol, 5 lb bot.....lb	1.45	..	1.55	Tannate, 1 lb bot.....lb	...	...	2.63
Single ounce.....oz	...	...	2.92	Benzoate, 5 lb bot.....lb	1.60	..	1.75	above on basis 25 lb lots.			
BARIUM BINGXIDE, see Barium chloride				Medicinal FFC.....lb	1.75	..	2.00	Smaller lots at an advance.			
Carbonate, precip., 800 lb bbls.				Chloride, 95% tech. 925 lb drs. lb	...	..	.25	Blanc Fixe, dry 400 lb bbls. wks. ton	75.00	..	80.00
wks.....ton	64.00	..	70.00	100 lb clys.....lb	.25	..	.30	Imported, bbls. ....ton	70.00	..	72.00
Precip., 260 lb bbs., wks.....ton	64.00	..	66.00	Redistil. 160 lb clys.....lb	.40	..	.45	Paste, 650 lb bbls.....ton	50.00	..	55.00
Imports, bbls., spot.....ton	64.00	..	65.00	Formate, 1 lb bot.....lb	3.00	..	3.25	BLEACHING POWDER, 700 lb drs.			
Chloride, 800 lb bbls., wks.....ton	75.00	..	80.00	Berberine Hydrochloride, 1 lb bot.....lb	...	..	22.50	c/l wks.....100 lb	...	...	1.90
200 lb bbs., wks.....ton	78.50	..	78.50	Sulfate, acid or neut. 1 lb bot. lb	...	..	22.00	Drums lc/l ex-warehouse.....100 lb	2.55	..	2.60
Import, bbls., spot.....ton	70.00	..	72.00	BETA-NAPHTHOL, 350 lb bbls. wks. lb	.25	..	.28	Contract, c/l wks.....100 lb	1.90	..	2.15
Dioxide, 85% 690 lb drs.....lb	.17	..	.15	Carlots, wks.....lb	...	..	.24	Drums, lc/l wks.....100 lb	2.05	..	2.30
Import, 86-88% 400 lb drs. lb	...	...	.15	Sublimed.....lb	.85	..	.60	Imported, spot.....100 lb	...	..	..
Hydrate, 500 lb bbls.....lb	...	...	.05	Beta-Naphthylamine, tech. 200 lb bbls. ....lb	.65	..	.67	Blue Ointment, see Mercury			
Iodide, 5 lb box.....lb	...	...	5.15	Sublimed, 200 lb bbls.....lb	...	..	1.35	Mass, see Mercury			
Nitrate, 700 lb cases.....lb	...	...	.10	Bichloride Mercury, see Mercury Bichloride				Bone Ash, 100 lb kegs.....lb	.06	..	.07
Import cases.....lb	...	...	.07%	BISMUTH metal, 150 lb cases.....lb	...	..	2.00	Black, 200 lb bbls.....lb	...	...	.06
Sulfocyanide 400 lb bbls.....lb	...	...	.35	Second Hands.....lb	...	..	2.00	Borax, USP, crys. 400 lb bbls.....lb	.05	..	.05%
Barytes, fluted-350 lb bbls wks. ton	23.00	..	26.00	Ammon. Citrate, USP 5 lb bxs.....lb	...	..	5.60	Powdered, USP, 300 lb bbls.....lb	.05	..	.05%
Imported.....ton	29.00	..	33.00	Betanaphtholate, 5 lb bxs.....lb	...	..	3.15	Kegs, USP, 100-150 lb.....lb	.08%	..	.05%
Bay Rum, Porto Rican, genuine				Citrate, USP 5 lb bxs.....lb	...	..	2.85	Bordeaux Mixture, 16% pd. tbs. lb	.11%	..	.18
Medicated salicyl. acid or tartar emetic				Nitrate, 25 lb jars.....lb	...	..	1.90	Paste, bbls. ....lb	.08	..	.70
45 gal. bbls.....gal	1.05	..	1.15	Oxychloride, 25 lb bxs.....lb	...	..	3.30	Borleol. 1 lb bot.....lb	...	...	3.50
Medicated quinine sulf. 45 gal. bbls.....gal	1.05	..	1.15	Phenolsulfonate, 5 lb cans.....lb	...	..	3.00	Bromide, see potass. bromide, etc.			
Domestic synthetic, 50 gal. bbls.....gal	.90	..	1.00	Salicylate, 25 lb bxs.....lb	...	..	1.85	Bromine, bot in 60 lb cs. wks.....lb	...	...	.89
St. Thomas				Subcarbonate, USP, 25 lb bxs.....lb	...	..	3.20	Bromobenzene, 600 lb drums.....lb	.40	..	.42
Medicated salicyl. acid or tartar emetic, 50 gal. bbls.....gal	1.10	..	1.30	X-Ray diag. 1 lb bot.....lb	...	..	3.73	Bromoform, USP 5 lb bot 50 lb cs. lb	...	...	1.65
Benzaldehyde, tech. 945 lb drs. wks.....lb	.70	..	.75	Subgallate, USP, 25 lb bxs.....lb	...	..	2.65	Brucine Sulfate, 100 oz.....oz	.15	..	.25
USP, 40 lb clys.....lb	1.40	..	1.50					Butter of Antimony, see Antimony Chloride			
FFC, 40 lb clys.....lb	1.50	..	1.65					CADMIUM, metal 100 lb bxs.....lb	.95	..	4.00
BENZENE, 90% 8000 gal. tanks								Bromide, 50 lb cases jars.....lb	...	...	1.30
wks.....gal	...	...	.23					Iodide, 10 lb bot.....lb	...	...	4.45
110 gal. drs., wks.....gal28					Sulfide, cs.lb	1.50	..	1.90
Pure Tanks, wks.....gal25								
110 gal. drs. wks.....gal30								

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Chemicals

CAFFEINE ALK, USP 5 lb cans...lb	3.50	: 3.75	CAMPOR, Amer. ref: 250 lb	...	: .80	Chalk, drop 175 lb bbls.....lb	...	: .03%
Second Hands.....lb	3.40	: 3.45	bbls.....lb	...	: .81%	Precip. light 250 lb cks.....lb	...	: .04%
Hydrochloride, 1 lb bot.....lb	6.05	: 6.55	2 1/4 lb slabs, 100 lb cs.....lb	...	: .81%	Precip. heavy 560 lb cks.....lb	...	: .03%
Sulfate, 1 lb bot.....lb	5.40	: 5.90	1 lb cakes, 100 lb cs.....lb	...	: .81%	Bulk.....ton	5.00	: 8.00
Citrate, 25 lb cans.....lb	2.90	: 3.10	1 cs. tab., 1 lb ctns.....lb	...	: .85%	Precip. English, 7 lb bags.....lb	...	: .07%
Hydrobromide, 1 lb bot.....lb	4.65	: 4.90	100 lb cs.....lb	...	: .85%	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, e/l			1/4 cs. tab., 1 lb ctns.....lb	...	: .86	Wood, powd. 100 lb bbls.....lb	.04	: .05
100 lb.....lb	...	: 3.00	100 lb cs.....lb	...	: .86	Willow, powd. 100 lb bbls.....lb	.06	: .07
Argenate, 100 lb bbls. c/l wks. lb	.08	: .09	Jap. ref., 2 1/4 lb slabs. 100 lb	...	: .67	China Clay, Dom., crude.....ton	6.00	: 8.00
Bromide, 100 lb cs.....lb	...	: .50	cs.....lb	...	: .68	Washed & Ground.....ton	8.00	: 15.00
Carbide, 220 lb dr. c/l wks.....lb	...	: .04%	1 cs. tab., 100 lb cs. 1 lb	...	: .80	Imp., Filler Clay.....ton	12.00	: 15.00
Drums, 1c/l wks.....lb	...	: .05	tins.....lb	...	: .80	Coating.....ton	18.00	: 20.00
Carbonate, tech. 100 lb bags			1/4 cs. tab., 100 lb cs., 1 lb	...	: .83	Chloral Hydrate, USP 100 lb drs.....lb	.75	: .80
e/l.....100 lb	1.00	: 1.10	tins.....lb	...	: .83	25 lb jars.....lb	.83	: .85
USP, precip. 175 lb bbls.....lb	...	: .04	Chinese ref. 2 1/4 lb slabs 100 lb	...	: ...	Chinoidin, 140 lb drs.....lb	...	: .40
Chloride, solid, 650 lb drs. e/l	...	: 24.50	cs. lb.....lb	...	: ...	Chloramine-T, 5 lb bot.....lb	1.25	: 2.50
f.o.b. NY.....ton	...	: 19.50	Crude, 100 lb cs.....lb	...	: .60	Chlorosane, 5 lb bot.....lb	.55	: .75
Imp. shipment.....ton	...	: 30.50	Campor, Monobrom., 100 lb cs.....lb	1.75	: 1.85	Chlorhydrin, Ethylene anhyd. 600 lb	...	: .85
Gran., 350 lb drs. e/l f.o.b.	...	: 30.50	Caramel, 50 gal. bbls.....gal	...	: .70	dr.,.....lb	.75	: .85
NY.....ton	...	: 30.50	Carbasol, 250 lb bbls.....lb	...	: .50	40% soln. 100 lb clys.....lb	.25	: .30
Flake 380 lb drs. e/l drs. f.o.b.	...	: .13	Carbon Bisulfide, 500 lb drs., 1c/l/NY lb	...	: .06%	CHLORINE, Liquid 3000 lb cyl.	...	: .04%
NY.....ton	...	: .30	c/l drums, NY.....lb	...	: .08	c/l wks.....lb	...	: .04%
Anhyd., 350 lb drs. f.o.b. NY lb	.13	: .30	Carbon Black, 12 1/4 lb bags.....lb	.09	: .10	Tank car lots, wks. Contract. lb	...	: .05%
Glycerophosphate, 250 lb bbls.....lb	...	: 1.40	Carbon Dioxide, Liquid, 20-25 cyl. lb	...	: .08	100 lb cyl. c/l wks.....lb	...	: .07%
Hydrate, (see Lime)			Carbon Tetrachloride, 1400 lb drs.	...	: .06%	100 lb cyl. 1c/l ex-warehouse.....lb	.08	: .09
Hypophosphite, USP, 25 lb cans lb	.60	: .65	NY.....lb	...	: .06%	Chlorobenzene, mono. 1000 lb drs.	...	: .11
Iodide, 5 lb bot.....lb	...	: 4.40	Drums, c/l NY.....lb	...	: .06%	wks.....lb	.10	: .11
Lactate, tech. 500 lb bbls.....lb	...	: .13%	700 lb drs. single NY.....lb	...	: .07	Dr. c/l wks.....lb	.08	: .08%
U.S.P.....lb	.50	: .60	Technical, 200 lb bbls.....lb	...	: .10%	Tank car lots wks.....lb	...	: .08
Nitrate, 220 lb bbls, c/l NY ton	...	: 40.00	Castoreum, 1 lb boxes.....lb	4.00	: 4.50	CHLORFORM, USP 50 lb drs.....lb	...	: .35
Phosphate, tech. 350 lb bbls.....lb	.09	: .10	Castor Oil, USP, 50 gal. bbls.....lb	...	: .17%	Second Hands, 650 lb drs.....lb	.32	: .33
Phosphate, precip. tribasic 300			Cases, 80 lb 2 tins.....lb	...	: .18%	Technical, 650 lb drums.....lb	.31	: .32
lb bbls, wks.....lb	.11	: .14	Tech. see Fixed Oils	...	: .18%	Chlorophyll, Oil Sol.....lb	2.50	: 2.75
Phosphate, mono, 325 lb bbls.....lb	.07	: .08	Caustic Potash, see potash, caustic	...	: ...	Water Sol.....lb	3.75	: 4.00
Sulfocarbonate, 100 lb kegs.....lb	.55	: .57	Soda, see soda, caustic	...	: ...	Chromium Acetate, 20° soln. 400 lb	...	: .07
Calomel, see Mercury			Cellulose Acetate, 100 lb cases.....lb	1.75	: 2.00	bbls.....lb	.07	: .08
			Cerium Oxalate, USP 100 lb kegs lb	.35	: .38	Fluoride, Powd. 400 lb bbls.....lb	...	: .30
						Solp. 400 lb bbls.....lb	...	: ...
						Chrysarbin, USP, 5 lb cans.....lb	4.25	: 5.00
						Cinchonidin alk. powd. 100 oz. tins oz	...	: .60
						Crystal.....oz	...	: .65
						Sulfate, 100 oz. tins.....oz	...	: .40
						Resale, 1,000 oz. lots.....oz	...	: .39

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Cinchonine alk., pvd. 100oz. tins.oz.	: .38	COPPER metal electrolytic c/l				Diethyl Sulfate tech. 50gal. drs. lb.	.20	: .25
Crystal	: .43	Lake, c/l NY	13.50	: 13.62		CP drums .....	.40	: .50
Sulfate, 100 oz. tins.	: .25	Casting, c/l NY	13.62	: 13.75		Digitatin, Pure, 1 oz. vial.	9.75	: 10.25
Citrine Ointment, see Mercury		Carbonate, 400 lb. bbls. ....	.16	: .17		Dimethylamine, 840 lb. drs. wks. lb.	.35	: .36
Coal Tar, See Tars		Chloride, 250 lb. bbls. ....	.28	: .28		Dimethylsulfate, 100 lb. drs. ....	.16	: .17
Cobalt metal, 100 lb. kegs.	2.50	Cyanide, 100 lb. drs. ....	.49	: .50		Dinitrobenzene, 400 lb. bbls. ....	.16	: .17
Cobalt Oxide, 500 lb. bbls.	: 2.10	Iodide, 5 lb. bot. ....	.56	: 5.65		Dinitrochlorobenzene, 400 lb. bbls. lb.	.18	: .19
10 lb. tins, 200 lb. cases.	: 2.45	Oxide, red 1660 lb. bbls. ton lots lb.	.16 1/4	: .17		Dinitronaphthalene, 350 lb. bbls. lb.	.32	: .34
		Sub-Acetate, verd. 440 lb. bbls. lb.	.23	: .28		Dinitrophenol, 350 lb. bbls. ....	.32	: .35
COCAINE alk., USP, 1 oz. vial.	: 10.00	Sulfate, crys. 450 lb. bbls. lb.				Dinitrotoluene, 300 lb. bbls. ....	.19	: .20
Hydrochloride, USP—1 oz. vials, 25 ozs.	: 7.07	spot	4.75	: 4.90		Dionin, see Morphine, Ethyl		
In 1/4 oz. vials.	: 7.50	Carlota, bbls., f.o.b. NY 100 lb.	4.60	: 4.65		Diphenylamine, 250 lb. bbls. ....	.48	: .50
In crystals, granular, powder, or flaky crystals as desired.		Carlota, bbls. delivered. 100 lb.	4.75	: 4.90		Diphenylguanidine, 170 lb. bbls. lb.	1.10	: 1.15
Cocoa Butter, bulk, 200 lb. bales. lb.	.24	Imp. 550 lb. cns. spot.	4.40	: 4.50		Dover's Powder, USP 5 lb. tins.	2.20	: 2.30
Fingers, cakes, etc. 12 lb. bxs. lb.	.33	Powdered, 350 lb. 5 bbls.	5.50	: 5.75		Duboisine Sulfate, 1 oz. vial.		: 30.67
CODEINE, alk., 1 oz. vis. 10 oz. lots	: 9.87	Copperas, bulk c/l wks.		: 15.00		EARTH, Diatomaceous. see Kieselguhr		
Hydrobromide, 1 oz. vis. 10 oz. lots	: 7.03	200 lb. bgs. c/l wks.		: 18.00		Kmetine alk., 15 gr. vials.		: 1.30
Hydrochloride, 1 oz. vis. 10 oz. lots	: 8.77	400 lb. bbls. c/l wks.		: 20.00		Hydchilde, USP 1 oz. vial.	17.00	: 17.50
Nitrate, 1 oz. vis. 10 oz. lots.	: 8.77	Powdered, bbls.	1.90	: 2.00		15 gr. vials.		: .75
Phosphate, 1 oz. vis. 10 oz. lots	: 7.42	Sugar, 400 lb. bbls.	1.25	: 1.35		EPSON SALT, tech. 300 lb. bbls.		
Salicylate, 1 oz. vis. 10 oz. lots	: 7.42	Corn Syrup, 42 deg. 50 gal. bbls.		: 4.26		NY		: 2.15
Sulfate, 1 oz. vis. 10 oz. lots.	: 7.92	43 deg. 50 gal. bbls.		: 4.31		Bbls. c/l NY		: 2.00
Small Sizes, 1/4 oz. vials, 50c extra, 1/2 oz. 30c extra, singles 7c extra per oz.—25 oz. lots, 10c oz. cheaper than above. Less than 10 ozs. 15c oz. higher than above.		44 deg. 50 gal. bbls.		: 4.38		100 lb. bgs. c/l NY.	1.70	: 1.75
COD LIVER OIL, Norwegian, 30 gal. bbls.	26.00	45 deg. 50 gal. bbls.		: 4.45		Imp., 220 lb. bgs. c/l		
Newfoundland, 30 gal. bbls. bbl.	: .	Corn Sugar, see Glucose				NY		: 1.35
Colchicine alk USP 1 oz. vial.	: 15.07	Cotton Soluble, 100 lb. bbls. wet. lb.	.40	: .42		USP, 300 lb. bbls. 10 bbls.		: 2.50
Salicylate, 1 oz. vial.	: 15.07	Coumarin, 25 lb. tins.	3.25	: 3.45		Carlota, bbls.	2.10	: 2.15
Cedilodon USP 30 lb. drums.	: .32	Second Hands	3.25	: 3.30		Imported, 400 lb. bbls.	1.75	: 2.00
		CREAM TARTAR, USP, 300 lb. bbls. ....	.21 1/4	: .21 1/4		100 lb. kegs.	2.00	: 2.25
		Imp. powd. USP, 224 bbls. ....	.20 1/4	: .21		Ergotin, Bonjean, 1 lb. jars.	6.00	: 6.35
		Crocote, USP, 42 lb. chys.		: .45		Eserine alk., 1 oz. vial.		: 24.07
		Carbonate, 1 lb. bot. 25 lb.	1.70	: 1.80		Salicylate, USP 1 oz. vial.		: 16.07
		Cresosote oil, 50 gal. drs. ....	.26	: .30		Sulfate, USP VIII, 1 oz. vial.		: 11.07
		Cresol, USP, 400 lb. drums. ....	.23	: .23		ETHER, USP 55 lb. drums.		: .13
		Cyanamide, bulk c/l wks. Amm. unit	1.90	: 2.00		Anesthesia, 55 lb. drums.		: .10
		DIAMINOPHENOL, 160 lb. kegs. lb.		: 3.80		ESP, 1880 55 lb. drums.		: .40
		Dianisidine, 100 lb. kegs.	4.00	: 4.50		Washed, 55 lb. drums.		: .32
		Dichlorobenzene, 1000 lb. drs. ....	.06	: .07		Motor, 1 lb. cans. ....	.24	: .27
		Diethylamine, 550 lb. drs. ....	.58	: .61		Ether, Nitrous, 1 lb. bot. ....	.92	: .95
		Diethyl Phthalate, 25 lb. cans.40	: .45		Ethyl Benzyl Aniline, 300 lb. drs. lb.	1.15	: 1.25
		1000 lb. drs.35	: .40				



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Ethyl Acetate, 99% 50 gal. dr. gal.	1.15	1.15	Gelatin, USP silver lbl. 100 lb. ca. lb.65	.68	Hydrastinine Hydrochloride, USP 15 gr.	1.00	1.00
85% Ester, 100 gal. dr. gal. ....	.85	.85	Gold Label, 100 lb. ca. ....	.50	.55	Hydrobenzene 100 lb. kegs. ....	.10	.10
Carbon, drums ....	.82	.82	Technical, 100 lb. ca. ....	.50	.55	HYDROGEN PEROXIDE, 25 vol. 400 lb. ....	.10	.10
Tank Cars ....	.80	.80	GLAUBER'S SALT, tech. 200 lb. kegs,	1.15	1.35	100 vol. 145 lb. chys. ....	.38	.38
Refined, drums	1.77	1.80	350 lb. bbls. c/l wks.	1.30	1.65	USP Soln. 375 lb. bbls. ....	.05	.05%
Bromide 115 lb. drs. ....	.40	.40	Imported, bbls. spot. ....	.85	.90	100 vol. 145 lb. chys. ....	.43	.43
Chloride, 15 lb. c/l. ....	.35	.35	USP, 300 lb. bbls. imp. sp.	1.25	1.25	USP bot. 4 oz. cases.	8.00	8.25
Methyl Ketone, 50 gal. drums. ....	.25	.25%	USP, 300 lb. bbls. dom. sp.	1.75	1.75	Bot. 8 oz. cases.	11.75	12.00
Morphine, see Morphine, Ethyl			USP, 300 lb. bbls. c/l wks.	1.40	1.40	Bot. 16 oz. cases.	18.75	20.00
Ethylene Bromide, 600 lb. drs. ....	.60	.60	Calced, see Sodium Sulfate			Hydroquinone, 100 lb. kegs.	1.40	1.90
Glycol ....	.65	1.00	Glucose, (Grape Sugar) dry, 100	4.29	4.54	Hydroxide Hydrobrom. USP 1 oz.		9.57
Chlorhydrin, anhyd. 50 gal. drs. ....	.75	.85	70° bags, c/l NY.	4.54	4.45	Five ozs., 1 oz. vials.		9.00
40% Solution, 50 gal. bbls. ....	.35	.35	Syrup, Drs. & bbls, c/l NY.	4.36	4.55	Hydrocyanide Alk. Cryst., 1 oz. vial.		20.07
Dichloride, 50 gal. drs. ....	.38	.35	10° NY.	4.36	4.55	Alkaloid, Amorphous, 1 oz. vial.		75.07
Ethylbenzenesulfide ....	.70	.70	GLUE, pure white, bbls. ....	.22	.30	Hydrobromide, USP 1 oz. vial.		35.07
Fenylpyl, 25 lb. cans. ....	.80	.80	Medium white, bbls. ....	.20	.24	Sulfate, 1 oz. vial.		30.07
Feldspar, bulk	20.00	25.00	French, bbls. ....	.18	.25	INDOL, C. P., 1 oz. bot.	6.00	6.50
FERRIC CHLORIDE, tech. crys.			High Grade, bbls. ....	.35	.40	Iodides, see Potass. Iodide, etc.		
475 lb. bbls. ....	.08	.08	Rose, regular, bbls. ....	.19	.12	IODINE, crude, 200 lb. kegs.		3.97
Imported ....	.08	.08%	Flash, bbls.	1.50	1.75	Remblimed, 10 lb. jars		4.75
USP, crys. 100 lb. kegs. ....	.07%	.07%	GLYCERIN, C. P. 550 lb. drums. ....	.18%	.19	Tincture, USP, 50 gal. bbls.	4.30	4.30
Neut. Sol'n 40° 140 lb. chys. ....	.06	.06	Cans, 50 lb. ....	.19%	.21%	Carboys	4.35	4.45
48°, 140 chys. ....	.08	.08	Eryasine, 100 lb. drs. ....	.18%	.18%	Iodoform, powd. 10 lb. bot.		5.50
USP Sol'n 125 lb. chys. ....	.05%	.05%	Saponification, tanks ....	.18%	.18%	Crystals, 10 lb. bot.		4.50
Ferrous Chloride, crys. tech.			Soap, Lye tanks ....	.12	.12%	Iridium, metal 100g lots		260.00
475 lb. bbls. ....	.06	.06%	Gum Powder, see chrysarobin	15.00	35.00	Iron, metal by hydrogen 1 lb. bot. ....	.80	1.00
Ferrous Sulfate, 1000 lb. bbls.	2.50	3.00	Graphite, crude 220 lb. bags. ....	.05	.09	IRON & AMM. CITRATE, USP 25 lb. ....		.79
Flake White, see lead, white			Flake, 500 lb. bbls. ....	.04	.05	Green scales, 25 lb. cans. ....		.79
Fluocspar, 95% 220 lb. bgs. ex-		25.00	Ground, lump, bbls.	2.35	2.45	Cacodylate, 10 lb. bot.	6.50	6.75
98% bgs.		33.50	Guaiacol liquid, USP, 25 lb. cans.		18.00	Citrate, USP VIII 25 lb. cans. ....	.29	1.01
98% bgs.		35.00	Benzoate, 1 lb. bot.	4.60	4.75	Chloride, see ferric or ferrous		
FORMALDEHYDE, USP 400 lb. bbls. ....	.09	.09%	Carbonate, 5 lb. boxes.	3.35	3.40	Hypophosphite, 5 lb. cans.	1.50	1.60
c/l wks. ....	.10	.10%	Second Hands	2.75	3.00	Syrup, USP VIII. ....		.30
Carboys, 100 lb. ....	.10	.10%	HAARLEM SIL, Dom. 6 gr. ex.	4.00	4.25	Iodide, 1 lb. bot.		4.35
Bbls., 400 lb. c/l wks. ....	.09	.10	Imported, 5 gr. cases.	2.75	3.25	Syrup, USP, 5 lb. bot. ....	.35	.38
Second Hands ....	.09	.10	Halosone, 5 lb. bot. ....	.75	.77%	Nitrate, kegs. ....	.09	.10
Feed Flour ....	.84	.84	Hexamethylenetrinitrate, USP ....	.65	.67	Com'l. bbls.	2.72	3.25
Formaldehyde ....	.50	.50	100 lb. drums ....	.83%	.85	Oxalate scales 25 lb. cans. ....	.85	.89
Fuller's Earth, 200 lb. bgs. c/l	15.00	17.00	Imported			Oxide red, Spanish ....	.03%	.07%
mines	35.00	40.00	Rubber Makers, Impalp. Pd.			& Ammon. Oxalate 25 lb. bxs. ....	.42	.45
Imported, 230 lb. bags NY. ....	.25	.30	Homatropine Hydrobrom. USP 1 oz.	14.00	14.57	& Potassium Oxalate, 25 lb. bxs. ....	.45	.47
Furfural, 300 lb. bbls.	3.75	4.00	vial			& Sodium Oxalate, 25 lb. bxs. ....	.41	.43
Fusel Oil, refined, 50 gal. dr. gal.	3.40	3.50	Five ozs., 1 oz. vials.			Phosphate, USP 25 lb. cans. ....	.79	.81
Crude, 50 gal. drum. ....	.60	.65	Hydrastine Alk., USP, 1 oz. vial.			Pyrophosphate, USP 25 lb. ....	.84	.88
6 SALT, paste 350 lb. bbls. basic			Hydrochloride, USP, 1 oz. vial.					
100%			Sulfate, 1 oz. vial.					

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Kapoc, 200 lb double bales....D	.25	: .28
KIESELGUHR, 95 lb bags NY....ton	60.00	: 70.00
LANOLIN, see Adeps Lanæ		
LEAD, metal c/NY	8 65	: 9.00
Acetate, white crystals 500 lb		
bbls. wks. ....	.14%	: .15%
100 to 250 lb kgs. wks..D	.15	: .16
White, broken, bbls. wks.100 lb	13.90	: 14.90
White, gran. bbls. wks.100 lb	14.15	: 15.15
White, powd., bbls. wks.100 lb	15.25	: 16.25
Keps, wks. ....	.15%	: .16%
Brown, broken, bbls. wks....D	.13%	: .14%
USP, 100 lb kegs .....	.16	: .17
Arsenate, 100 lb bbls. 1/1 wks.D	.21	: .26
Bbls. c/l wks. ....	.17	: .19
Paste, 100 & 600 lb bbls..D	.10	: .15
Iodide, USP VIII 5 lb bot....D	3.20	: 3.40
Nitrate, 500 lb bbls. wks....D	..	: .12
Oxide, lithge, 500 lb bbls....D	..	: .10%
100 lb kegs, wks. ....	..	: .15
Oxide, red 500 lb bbls. wks..D	..	: .11
100 lb kegs, wks. ....	..	: .15
Peroxide, 100 lb drs. ....	.25	: .30
White, basic carb. 500 lb bbls.		
wks. ....	..	: .10
Bbls. c/l wks. ....	..	: .10
100 lb kegs, wks. ....	..	: .15
White, sulfate 500 lb bbls.wks.D	..	: .09%
Bbls. c/l wks. ....	..	: .09%
Licorice Ext. Mass, cases....D	.25	: .26
Compound powder, bbls....D	.11	: .13
Powdered .....	.38	: .40
Sticks, 1 ea. 100 lb cases....D	.45	: .50
LIME (Salts, see Calcium Salts)		
Live, 325 lb bbls. ton lots, wks.D	..	: .01%
Single bbl. wks. ....	..	: .01%
Hydrated, 167 lb bbl, ton lots,		
wks. ....	..	: .01%
Single bbl. wks. ....	..	: .01%
Oyster Shell, 150 lb bbl. single.D	..	: .03%
Sulfur, dry 200 lb drs. NY....D	..	: .08%
Drs. c/l NY .....	..	: .08
33° Soln. 50 gal. bbls., NY.gal	.15	: .16

Linalool, 5 lb bot.	6.25	: 6.75
Litharge, see lead oxide		
Lithium Carb. USP, 100 lb kgs..D	1.50	: 1.60
Bromide, 100 lb cs.	1.75	: 1.85
Citrate, USP, 100 lb kegs....D	1.70	: 1.75
Iodide, 5 lb bot. ....	..	: 7.50
Lithopone, 400 lb bbls. 1/1 wks.D	..	: .08%
Bbls. c/l wks. ....	..	: .06%
Bags, c/l wks. ....	..	: .06%
Imported, 400 lb bbls....D	.05%	: .06
Litmus Cubes .....	.90	: 1.00
Luminal, see Phenylethylmalonylurea		
MAGNESITE, crude .....	..	: 15.00
Calcined, 500 lb bbls....ton	..	: 55.00
Magnesium mtll. sticks 100 lb cs.D	1.25	: 1.30
Carb. tech. 70 lb bags NY....D	.08	: .08%
75 lb bbls. NY. ....	.09%	: .10%
USP, 60 lb bbls....D	.12	: .14
USP, blocks 100 lb cs. 1, 2, 4		
ozs. ....	.19	: .23
Chloride, fused 575 lb drs. c/l		
wks. ....	..	: 34.00
Flaked, 350 lb drs. wks c/l ton	..	: 36.00
Imp., fused 900 lb bbls NY ton	26.00	: 28.00
Fluostillate, crystals 400 lb bbls.		
wks. ....	.12	: .15
30% soln. 500 lb bbls. wks.D	.07	: .07%
Soln. bbls. c/l wks. ....	..	: .06
Glycerophosphate, 5 lb tins....D	..	: 3.25
Hypophosphite, 5 lb cases....D	..	: 1.05
Oxide, USP light 100 lb bbls..D	..	: .42
USP, heavy 250 lb bbls....D	..	: .50
Peroxide, 5 lb cases....D	..	: 2.40
Peroxide, 1 lb tins .....	..	: 2.62
Salicylate, 100 lb kegs....D	.70	: .75
Sulfate, see Epom Salts		
Manganese Chloride, 600 lb cas.		
NY .....	.09%	: .10
Berate, 30%, 200 lb bbls....D	..	: .24
100 lb kegs .....	..	: .25
Dioxide, 80-84% 900 lb bbls.		
NY	80.00	: 85.00
85-90%, 900 lb bbls. NY.ton	85.00	: 90.00
Hydrated, precip. 100 lb kgs.D	.15	: .20

Manganese—(continued)		
Glycerophosphate, 5 lb tins....D	..	: 2.95
Hypophos. USP VIII 5 lb cases.D	..	: 1.40
Iodide, 1 lb bot. ....	..	: 6.65
Ore, bulk, NY. ....	.40	: .45
Sulfate, 600 lb cases NY....D	..	: .08
Marble Flour, bulk	10.00	: 12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases....D	..	: 14.50
Less cases, 5 lb tins....D	..	: 14.75
Domestic, USP, 60 lb cases....D	..	: .
MERCURY, metal, 75 lb fasks. flask	69.50	: 71.00
Less Flasks, 5 lb fags....D	..	: 1.10
Bichloride, cryst. 25 lb bxs....D	..	: 1.12
Gran. powd., 200 lb kegs..D	..	: .98
Bisulfate, 25 lb boxes....D	..	: .98
Blue Mass, 25 lb boxes....D	..	: .66
Powdered, 25 lb boxes....D	..	: .68
Blue Ointment, USP 25 lb cans		
50% .....	..	: .36
USP, dilute 25 lb cans 30%.D	..	: .66
33% Mercury .....	..	: .74
Calomel, 50 lb bxs. ....	..	: 1.22
Citrine Ointment 25 lb jars..D	..	: .51
Iodide, green 25 lb jars....D	..	: 4.10
Red, USP 25 lb jars....D	..	: 4.20
Yellow, USP VIII 25 lb jars..D	..	: 4.10
Oxide, Yellow, USP, 25 lb. bxs.D	..	: 1.68
Red Precip. USP, 25 lb bxs....D	..	: 1.32
Powder, USP 25 lb bxs....D	..	: 1.48
White Precip. USP 25 lb bxs..D	..	: 1.34
Powdered, USP 25 lb bxs....D	..	: 1.39
With chalk, USP 25 lb bxs....D	..	: .66
Meta-Nitraniline .....	.70	: .80
Meta-Nitro-para-Toluidine, 300 lb		
bbls. ....	..	: 2.30
Meta-Phenylenediamine, 300 lb		
bbls. ....	.90	: .95
Meta-Toluylenediamine, 300 lb		
bbls. ....	.85	: .98

ACETATES

AMYL BUTYL ETHYL



MECCO

The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York

Chemicals

METHANOL (Wood Alcohol)			Musk Ambrette, 1 lb. cans.....			15.00	16.00	Ortho-Toluidine, 350 lb. bbls.....			.14	.16
95% tanks.....	gal	..	.67	NAPHTHA, See Solvent Naphtha				Oxgall, USP, 5 lb. bot.....			2.00	2.00
Drums, c/l.....	gal	..	.70	NAPHTHALENE, Flakes, 175 lb. bbls.				Purified, 5 lb. bot.....			1.50	2.50
Drums, 1c/1.....	gal	..	.72	wks.			..	Crude, 5 lb. bot.....			.80	1.35
97% tanks.....	gal	..	.69	Bbls., c/l wks.			..	PALLADIUM, metal 10 oz. lots.....			75.00	76.00
Drums, c/l.....	gal	..	.72	Bbls., second hands NY.....			.05	Pancreatin, USP 5 lb. bot.....			1.25	1.40
Drums, 1c/1.....	gal	..	.74	Balls, 250 lb. bbls. wks.			..	Papsin, 10 lb. bot. USP, Powd.....			2.15	2.25
Pure, Acetone free, tks.....	gal	..	.75	Bbls., c/l wks.			..	Crude, 150 lb. cases.....			1.80	1.85
Drums, c/l.....	gal	..	.77	Bbls., second hands NY.....			.06 3/4	Paraffin, ref'd 200 lb. cs. slabs				
Drums, 1c/1.....	gal	..	.80	Crushed, chipped, bps., wks.			.04 3/4	123-127 Deg. M. P.....			.05 3/4	.06
Bbls. incl. 5c higher				Crude, imp., bags.....			.02	128-132 Deg. M. P.....			.05 3/4	.06 3/4
Methyl Acetone, 100 gal. drums.....	gal	..	.75	Nickel Metal, electrolytic 100 lb.				133-137 Deg. M. P.....			.06 3/4	.07
Tanks, cans.....	gal	..	.75	kegs.....			.30	138-140 Deg. M. P.....			.07 3/4	.07 3/4
Chloride, 90 lb. cyl.....	..	..	.50	Ingot, 100 lb. kegs.....			.29	Para-Aminocetanilid, 100 lb.			1.10	1.15
Salicylate, USP, 50 lb. cases.....	..	..	.47	Salt, single 400 lb. bbls. NY.....			.11	kegs.....			1.16	1.25
500 lb. drums.....	..	..	.45	Double, 400 lb. bbls. NY.....			.10	Para-Aminophenol, 100 lb. kegs.....			1.16	1.25
Second Hands, cases.....	..	..	.44	Oxide, 100 lb. kegs NY.....			.40	Hydrochloride, 100 lb. keg.....			1.35	1.40
Methylene Blue, tech. 100 lb. kgs.....	..	..	1.25	Sulfate, 450 lb. bbls.....			.07	Para-Dichlorobenzene, 150 lb. bbls.				
USP, medicinal 5 lb. cans.....	..	..	2.00	Nicotine, Free 40%, 8 lb. tins.....			1.35	wks.			.17	.30
Miehler's Ketone, 225 lb. bbls.....	..	..	3.75	Sulfate, 10 lb. tins, 40%.....			1.05	25-50 lb. kegs.....			.18	.22
Milk, powd. 150 lb. bbls.....	..	..	.14	Nitro Cake, bulk wks.....			5.50	Paraldehyde, 100 gal. drs.....			..	.48
Milk Sugar, see sugar of milk				500 lb. bbls.....			13.00	Paraformaldehyde, USP 100 lb. cs. lb.			.42 3/4	.45
Mineral Oil, see oil mineral				Nitrobenzene, crude, 1000 lb. drs.				Para-Nitroacetanilid, 300 lb.				
Mineral Rubber.....	ton	..	35.00	wks.			.09	bbls.			.50	.55
Monocetine, 100 gal. drums.....	..	..	.50	Redistilled, 1000 lb. drs. wks.....			.09 3/4	PARA-NITROANILINE, 300 lb. bbls.				
Monochlorobenzene, see chlorobenzene				Nitronaphthalene, 550 lb. bbls.....			.20	wks. ton.....			.68	.73
Monomethylamine, 800 lb. drs.....	..	..	.90	Nitrotoluene, mixed 1000 lb. drs.				Para-Nitrochlorobenzene, 1200 lb. drs.				
Monomethyl paramidophenol sulfate				wks.			.14	wks.			.20	.30
100 lb. drs.....	..	..	3.95	Ochre.....			.03 3/4	Para-Nitro-ortho-Toluidine, 300 lb.				
MORPHINE Sulfate, USP 5 oz. tins				Oil Fuel, see Fuel Oil				bbls.			2.75	2.85
10 oz. ....	..	..	7.35	OIL MINERAL, wh. 50 gal. bbls. gal			1.00	Para-Nitrophenol, 185 lb. bbls.....			.55	.60
Acetate, 5 oz. tins 10 oz. lots.....	..	..	7.35	Oil Mirbane, see nitrobenzene				Para-Nitrosodimethylaniline, 120 lb.				
Hydrobromide, 5 oz. tins 10 oz. lots				Optum, see crude drugs				bbls.			..	.95
Hydchloride, 5 oz. tins 10 oz. lots				Orange Mineral, 800 lb. casks NY.....			.14	Para-Nitrotoluene, 350 lb. bbls.....			..	.42
10 oz. ....	..	..	7.35	500 lb. bbls. NY.....			.14	Para-oxo Benzaldehyde, 100 lb.				
Ethyl Hydchloride, 1/2 oz. vls. 10 oz. ....	..	..	11.45	Ortho-Aminophenol, 50 lb. kegs.....			2.40	kegs.....			..	1.70
Small Sizes: 1/4 oz. vials, 50c extra;				Ortho-Amsidine, 100 lb. drs.....			..	Para-Phenetidin, 500 lb. drs.....			1.55	1.80
3/4s 25c extra; single oz. vls., 7c ex.				Ortho-Dichlorobenzene, 1000 lb. drs.			.05 3/4	bbls.			1.30	1.35
tra, over price for 5 oz. tins. 25 oz.				wks.			.35	Para-Toluene-Sulfonamide, 175 lb.				
lots in 5 oz. tins, 10c. on. lower than				Ortho-Nitrochlorobenzene, 1200 lb.			.40	bbls.			.40	.41
above schedule. Less than 10 oz. lots				drs. wks.			1.00	Para-Toluene-Sulfonchloride, 410 lb.				
15c. on. higher than above schedule.				Ortho-Nitrophenol, 350 lb. drs.			.09	bbls. wks.			.18	.30
				Ortho-Nitrotoluene, 1000 lb. drs.				bbls. wks.			.75	.80
				wks.								



SULPHUR

SUBLIMED
ROLL BRIMSTONE
FLOWERS
PRECIPITATED 100%

LAC SULPHUR
For Technical Purposes Only

BATTTELLE & RENWICK

Estb. 1840

Incp. 1902

80 Maiden Lane, New York, N. Y.

WHITING
DOMESTIC and IMPORTED
GAS CARBON
BLACK
DENATURED
ALCOHOL

SPOT STOCKS CARRIED

INDUSTRIAL CHEMICAL CO.
200 Fifth Avenue NEW YORK

Chemicals

PARIS GREEN			Piperazine Hydrate, 1 lb bot....			POTASSIUM—(Continued)		
Arsenic Basic, 500 lb kegs....	.25	: .30	Piperidine, 25 oz.....	1.10	: 1.25	Chlorate, crys. 112 lb kegs. e/l		
Kegs, 100 lbs.....	.32	: .33	Pitch, Coal-Tar, wks.....	24.00	: 26.00	wks.....	.08	: .08%
Kits, 58, 28, 14 lbs.....	.34	: .35	Plaster Paris, tech 250 lb bbls.bbl	...	: 3.30	Imp. 112 lb kegs, NY....	.06%	: .07
Packages, 5 and 2 lbs.....	.36	: .37	True Dental, 300 bbls.....bbl	...	: 4.50	Powd., 112 lb kegs wks....	.08%	: .09
Packages, 1 lb, 1/2, 1/4 lb....	.39	: .43	Platinum, metal soft 10 oz. lots....	...	: 118.00	Imp., kegs NY.....	.06%	: .08%
Paris White, see whitening, French			Podophyllin, 5 lb bot.....	5.20	: 5.40	Gran. Imp. 112 lb kegsNY..	.10%	: .11
Peppin, USP, 5 lb bot.....	2.25	: 2.50	Second Hands.....	4.75	: 4.90	Pyrotechnic, fine powd. NY....	...	: .07
PETROLATUM , green 300 lb bbls..	.02 1/4	: .03	POTASH, CAUSTIC , solid 88-92%			USP, fine crys. 110 lb kegs		
Dark Amber, 300 lb bbls.....	.03 1/4	: .04	700 lb drs. wks.....	...	: .07 1/4	NY.....	.07	: .07%
Light Amber, 300 lb bbls.....	.04	: .05	Imp., 88-92% 700 lb drs. NY..	...	: .07 1/4	Citrate, USP 10 lb cans.....	.63	: .66
Cream White, USP 300 lb bbls..	.07	: .07 1/4	USP, by alcohol 5 lb cans....	.46	: .48	Cyanide, 110 lb cases.....	.60	: .65
Lily White, USP, 300 lb bbls..	.09	: .09 1/4	cases.....	.30	: .35	Glycerophosphate, 75% Soln. 25 lb		
Snow White, USP, 300 lb bbls..	.12 1/4	: .13	POTASSIUM Acetate, USP, 100 lb			tins.....	1.35	: 1.50
Phenol, see also acid carbolle			kegs.....	.29	: .30	Guaiacol Sulfonate, 5 lb cans,		
Makers, 900 lb drums, wks....	.24	: .25	Bicarbonate, crys. 320 lb bbls..	...	: .10 1/4	10 lb.....	2.00	: 2.25
Small drums, 100-240 lb....	.25	: .27	Richromate, crys. 900 lb cases..	.08%	: .09	Hypophosphite, 10 lb cans....	.80	: .85
Open market, drs.....	...	: .25	Powd., 900 lb cases wks....	...	: .12	Iodide, USP, 100 lb cases....	3.75	: 3.90
240 lb des. drs. wks.....	...	: .25	Rinoxalate, 300 lb bbls.....	.25	: .28	Second Hands, cases.....	3.60	: 3.70
Natural, 240 lb des drs. wks....	...	: .25	Import, 112 lb bbls.....	.18	: .20	Lactophosphate, 4 oz bot.....	...	: .90
Imported, 336 lb des drs....	...	: .25	Bisulfate, C.P., 5 lb cans....	...	: .30	Metabisulfite, 300 lb bbls....	.18	: .20
Phenolphthalein, USP, 100 lb drs.	1.20	: 1.40	100 lb kegs.....	...	: .22	Imp., 550 lb bbls.....	.10	: .12
5 lb cans, 100 lb lots.....	1.40	: 1.50	Bromate, 100 lb cs.....	...	: .75	Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			BROMIDE , USP, cryst. 450 lb			K ₂ O unit.....	...	: .61%
kegs.....	...	: .25	bbls.....	...	: .48	Nitrate, see Saltpetre		
Phenylethylalcohol, 1 lb bot. Dom	8.00	: 10.00	Granular, 300 lb bbls....	...	: .48	Oxalate, neutral, 100 lb kegs..	.35	: .40
Imported.....	7.00	: 7.75	Cases, 100 lb.....	...	: .49	Perchlorate, 112 lb kegs.....	.09 1/4	: .10
Phenylethylmalonylurea, oz. pls. oz	...	: 5.50	Imported, USP, 220 lb cs....	.42	: .44	PERMANGAN , USP, crys. 500 lb		
Phosgene, 100 lb cylinders.....	...	: .25	CARBONATE , 80-85% calc.			& 100 lb drs., wks....	.12%	: .13
Phosphorus Oxichloride, 175 lb cyl.	.35	: .40	800 lb cks.....	.05	: .05 1/4	Imp. 112 lb drs.....	.13	: .13%
Phosphorus, red 110 lb cs. wks....	...	: .25	80-85%, hydrated, 800 lb			Prussiate, red, 500 lb cases..	.38	: .40
Imported, 112 lb cases.....	.90	: 1.00	cks.....	.05	: .05 1/4	Prussiate, yellow, 500 lb cases..	.17	: .17%
Yellow, 110 lb cs. wks.....	.35	: .37 1/4	90-95% calc. cases.....	.05%	: .06	Salicylate, 25 lb cans.....	.60	: .65
Imported, 112 lb cases.....	...	: .25	96-98% calc. cases.....	.05%	: .06	Sulfate, 200 lb bags, NYK ₂ O unit	...	: .85
Phosphorus Trichloride, 175 lb cyl.	...	: .45	99% calc. cases.....	.06%	: .07	USP, VIII, 100 lb kegs....	.15	: .18
wks.....	...	: .45	USP, 100 lb kegs.....	.12%	: .13	Sulfocyanide, CP 25 lb jars..	...	: .50
Phthalic Anhydride, 100 lb bbls..	.23	: .28	99% CP cases.....	...	: .12 1/4	Tartrate, neutral, 100 lb kegs..	...	: .51
Pilocarpine Hydrochloride, USP 25 oz.	3.00	: 3.32				Titanium Oxalate 200 lb bbls..	.25	: .30
lots, 1 oz. vials.....	...	: 3.00						
Nitrate, 25 oz.....	...	: 3.00						
Single ozs.....	...	: 3.32						
Alkaloid, 15 gr. vls.....	...	: .85						



SELDEN

99.99 + % Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY
Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. D	.04%	.06
Lump, bags	.03%	.05
Powdered, 250 lb bbls. D	.02%	.03
Syrilene, 50 gal. drums	4.00	4.20

QUICKSILVER, see Mercury

Quinidine Alk., 1000m tins	.75	
Sulfate, 1000m tins	.50	

Quinidine, see Chinoidin

QUININE SULFATE, USP,

American, 1000m tins	.50	
100 tins, 1000m lots	.57	
Dutch, 1000m tins	.50	
Java, 1000m tins	.50	
Japanese, 1000m tins	.50	

QUININE SULFATE, USP,

Acetate	.88	
Arsenate	.88	
Benzoate	.88	
Bisulfate, USP	.50	
Citrate	.62	
Dithydrate, USP	.66	
Dihydrochloride	.66	
Dicarbonate, 1000m tins	2.50	
Ethyl Carbonate, 1000m tins	.91	
Ferrocyanide	.88	
Formate	.88	
Glycerophosphate	.88	
Hydriodide	.88	
Hydrobromide, USP	.62	
Hydrochloride, USP	.62	
Hydrochlorosulfate	.66	
Hydride & Urea, USP	.78	
Erythrophosphate	.88	
Lactate	.78	
Phenolsulfonate	.88	
Phosphate	.74	
Salicylate, USP	.63	
Tannate, USP	.45	

QUININE—(continued)

Tartrate	.88	
Valerate	.89	

Small Sizes: 100m vials or cans, 500m lots, 5c on extra; 500m cans, 500m lots 3c on extra; 250m cans, 500m lots, 2c on extra; single 100m vials or cans, 5c extra. All minor quinine salts sold and quoted basis 1000m lots in 1000m cans. Sulfate and bisulfate sold basis 1000m lots in 1000m cans. Smaller orders or containers extra as above schedule.

R SALT, 250 lb bbls. was. D

Red Lead, see lead oxide

Red Precipitate, see mercury

Resorcin, see resorcinol.

Resorcinol tech, 100 lb bags D 1.35 : 1.50

USP 25 lb cans D 2.25 : 2.35

Rochelle Salt, USP, 225 lb bbls. D .20 : .31

Imp. USP, 300 lb bbls. D .20 : .20

Rosewater, triple, 5 gal. demis. gal .90 : 1.10

Rotten Stone, lump imp., bbls. D .07 : .08

Lump selected, bbls. D .09 : .12

Powdered, bbls. D .02 : .05

Domestic, bags, mines. ton 24.00 : 30.00

SACCHARIN, USP, 1 lb cans, 25 lb

Soluble, USP, 1 lb cans, 25 lb D 1.90 : 2.10

Sal Ammoniac, see Ammon. Chloride

Salicin, USP, 1 lb cartons, 25 lb D 4.75 : 5.00

Saleol, USP, 100 lb drums D .75 : .80

Salt, Common, see sodium chloride

Salt Cake, c/l f.o.b. was. ton 18.00 : 22.00

SALTPETRE, Double Refined

Granular, 400-500 lb bbls. c/l was. D .06

Less c/l works, bbls. D .06%

Large Crystals, 350-400 lb bbls. c/l was. D .07%

Small Crystals, 350-400 lb bbls. c/l was. D .07

Powdered, bbls, c/l was. D .07

Imported, 500 lb bbls. NY. D .06%

Santonin USP, 1 lb bot. D 145.00 : 148.00

Powd. 1 lb. bot. D 148.00 : 150.00

Saponin, ex Quillaja, 5 lb tins. D .90 : 1.10

Satin White, 500 lb bbls. D . : .01%

Schaeffer's Salt, 250 lb bbls. was. D .60 : .65

Scopolamine, see hyoscine.

Sedlitz Mixture, 225 lb bbls. D .16% : .16%

SILICA

Crude, bulk, mines. ton 10.00 : 12.00

Refined, floated, bags. ton 18.00 : 30.00

Air floated, bags. ton 32.00 : 50.00

Extra floated, bags. ton 55.00 : 65.00

SILVER, metal, American. D . : .99%

Foreign. D . : .70

Colloidal, 16oz bot. D . : 2.80

Silver Iodide, 16oz bot. D . : .69

Nitrate, 16 oz. bot. D .34 : .38

Nucleinate, 16oz bot. D .34 : .38

Proteinates, 16oz bot. D .34 : .38

Soap, Castile, 40 lb bxs. D .20 : .25

Powd. USP, 250 lb bbls. D .28 : .29

Green, USP, 150 lb kegs. D .07 : .07%

Soapstone, see Talc, crude

SODA ASH, 58% light

1-4 bags, deliv'd NY. 100 lb D . : 2.19

5 & Up bags, deliv'd NY. 100 lb D . : 2.04

1-4 bbls., deliv'd NY. 100 lb D . : 2.44

5 & Up bbls., deliv'd NY. 100 lb D . : 2.29

Contract, Basis 58% bags c/l was. 100 lb D . : 1.88

Prompt and spot, Basis 58% bags c/l was. 100 lb D . : 1.48

Contract, Basis 58% dense bags c/l was. 100 lb D . : 1.45

Prompt and spot, Basis 58% bags c/l was. 100 lb D . : 1.55

SODA, CAUSTIC, 76% solid

1-4 drums deliv'd NY. 100 lb D . : 3.91

5 & Up drums deliv'd NY. 100 lb D . : 3.76

Ground & Flake, 76%

1-4 drums, deliv'd NY. 100 lb D . : 4.31

5 & Up drums deliv'd NY. 100 lb D . : 4.16

1-4 bbls. deliv'd NY. 100 lb D . : 4.56

5 & Up bbls., deliv'd NY. 100 lb D . : 4.41

Contract basis 76% c/l was. 100 lb D . : 3.10

A Record for Quality Founded upon Performance

DIAMOND products have attained an enviable position among consumers of quality Alkalies. A record for performance has been responsible for the increasing demand for—not just Alkalies, but Diamond Alkalies.

Diamond Alkalies are *actually* guaranteed. They have set a standard which users recognize and value for the knowledge it gives them that they are using Alkalies of the highest quality. When you specify "Diamond" you depend upon quality.

Manufactured & Sold
Direct to Consumer

Diamond Alkali Company
Pittsburgh · Penna



⌈ Diamond Caustic Soda ⌋
is guaranteed
over 98% pure



The Trademark
of Quality
in Alkalies



FORTY-THREE years of practice
have proven the soundness of the
SOLVAY principle of supplying the
Alkali trade with a finished product
at a reasonable price.

Solvay Extra Light Soda Ash "Fluf"

Solvay 58% Soda Ash

Dense—Light

Solvay 76% Caustic Soda

Solid—Flake—Ground

Solvay Super Alkali

Solvay Snow Flake Crystals

(Trademark Registered)

Solvay Laundry Soda

Solvay Cleansing Soda

Solvay Tanners Alkali

Solvay Tanners Soda

Solvay Liquid Caustic Soda

Solvay Calcium Chloride 73%—75%



The Solvay Process Company

Detroit, Mich.

Syracuse, New York

Hutchinson, Kan.

Sales Department Wing & Evans Inc.—40 Rector St., New York

Boston

Cincinnati
Chicago

Cleveland
Syracuse

Detroit
Indianapolis

Pittsburgh

Chemicals

SODA CAUSTIC—(Continued)

Pmpt. and spot, Basis 76% c/l wks. ....100 lb	...	3.20
Contract 74% low grade c/l wks. flat ....100 lb	...	3.02
Ground & flake, 76% pmpt. and spot, wks. c/l drs. ....100 lb	...	3.60
Contract 76% drums c/l wks. flat ....100 lb	...	3.50
USP, stick, 10 lb cans ....lb	.19	.21
Pure, stick, by alcohol ....lb	.25	.27

SODIUM ACETATE, crys. 450 lb bbls.

Aluminate, 500 lb bbls, wks. ....lb	.04%	.05%
Aluminum Sulfate, see alum. soda	.07%	.08
Arsenite, 4 lb mat. wks. drums gal	.50	.60
Drums, 8 lb material, wks. gal	1.00	1.20
Benzonate, LSP, 100 lb bbls. ....lb	.62	.65
Bicarbonate, 400 lb bbls, NY, 100 lb	...	2.25
Bbls. c/l wks. ....100 lb	...	2.00
112 lb kegs wks. ....100 lb	...	2.25
112 lb kegs, NY ....100 lb	...	2.50
Bichromate, 600 lb cases wks. ....lb	...	.06%
Casks, c/l wks. ....100 lb	.06%	.06%
Casks, NY ....100 lb	.06%	.07
Sulfite dry powder, 500 lb bbls, wks. ....100 lb	.04	.04%
Solution, 32-40°, 500 lb bbls wks. ....100 lb	1.25	1.75
Formate, 100 lb .....lb	...	1.05
BROMIDE, USP, 450 lb bbls. ....lb	...	.49
Cases, 50 lb .....lb	...	.49
Imp. USP, 112 lb cases ....lb	.41	.43
Acodylate, USP, 5 lb bot. 25 lb .....lb	5.50	5.90
Carbonate, sal soda, 350 lb bbls. lc/l NY ....100 lb	1.30	1.35
Works c/l .....100 lb	1.10	1.30
Monohydrate, 400 lb bbl. lc/l NY ....100 lb	...	2.40
Pure photographic, 100 lb keg .....lb	.08	.08
Chlorate, 112 lb kegs, wks. ....lb	...	.06%
Imported, 112 lb kegs. ....lb	.06%	.06%

SODIUM—(Continued)

Chloride, tech. 200 lb bags. ....ton	12.00	13.00
C. P., 300 lb bbls. ....lb	.05	.06
Chromate, 800 lb bbls. ....lb	...	.08
Citrate, USP, IX, 100 lb kegs. ....lb	.62	.66
USP, VIII, 100 lb kegs. ....lb	.55	.59
Cyanide, 96-98%, 100 lb cases wks. ....100 lb	...	.22
Ton lots, wks. ....lb	...	.22
73-76%, 100 lb cases, wks. ....lb	...	.19%
125-128%, 200 lb cases. ....lb	.20	.20%
120-125%, 200 lb cases. ....lb	.17	.18
118-120%, 200 lb cases. ....lb	.16	.17
Fluoride, 300 lb bbls, wks. ....lb	.08%	.09%
Imp. 350 lb bbls. ....lb	...	.08%
Glycerophos, USP, crys 25 lb cans .....lb	1.40	1.50
Powder, 25 lb tins .....lb	1.45	1.60
Solution, USP, 25 lb tins. ....lb	1.05	1.15
Hydroxide, see Soda Caustic	...	...
Hypochlorite, Soln., 100 lb cys. ....lb	...	.05
14 1/4% soln., 50 lb cys. ....lb	...	.04
Hydrosulfite, 200 lb bbls, rob. wks. ....lb	.22	.24
For Stripping, 50 lb cans. ....lb	.35	.40
Hypophosphite USP 25 lb cans lb .....lb	.70	.75
HYPOSULFITE, tech. pea crys. 375 lb bbls, wks. ....100 lb	2.65	3.05
Bbls. c/l wks. ....100 lb	...	2.50
100 lb kegs wks. ....100 lb	2.75	3.35
Imp. ....100 lb	2.65	2.75
Granulated, bbls, wks. ....100 lb	2.90	3.30
Bbls. c/l wks. ....100 lb	...	2.75
Kegs, wks. ....100 lb	3.00	3.60
Regular crystals. ....100 lb	2.35	2.65
oxide USP, 25 lb jars. ....lb	4.25	4.30
Meta-bisulfate, 150 lb bbls. ....lb	.55	.70
Naphthionate, 300 lb bbls. ....lb	.59	.62
Nitrate, crude, 95%, 200 lb bags c/l NY ....100 lb	...	2.40
Future, NY ....100 lb	2.40	2.42%
Double Refined 400 lb bbls gran. c/l wks. ....lb	...	.04%
Nitrite, 500 lb bbls, wks. ....lb	...	.09
Bbls. spot, makers. ....lb	...	...
Imp. 650 lb cases. ....lb	.09%	.09%

SODIUM—(Continued)

Ortho-Chloro-Toluene Sulfo- nate, 175 lb bbls, wks. ....lb	.25	.27
Oxalate, neutral, 100 lb kegs. ....lb	...	.39
Perborate, 275 lb bbls. ....lb	...	.23%
Imp. 225 lb drs. ....lb	...	.23
Peroxide, 200 lb cases. ....lb	.25	.27
Phosphate, di-sodium, tech 550 lb bbls. ....100 lb	.03%	.03%
USP, gran. 275 lb bbls. ....lb	.07	.07%
Imp. gran. ....100 lb	.05%	.06
USP, recrys. 275 lb bbls. ....lb	.10	.11
Mono-sodium 100 lb kegs. ....lb	.24	.26
Tri-sodium tech. c/l, bbls. ....lb	.03%	.04
Picramate, 100 lb kegs. ....lb	...	.60
Para-Toluene Sulfonate, 175 lb bbls. ....100 lb	.08	.09
PRUSSIAN, yellow, 350 lb bbls. ....lb	.09%	.09%
Imp., 450 lb cases. ....lb	.09%	.09%
Pyrophosphate, 100 lb kegs. ....lb	.24	.26
Sallylate, 100 lb kegs. ....lb	...	.40
Second Hand, USP, kegs. ....lb	.37	.40
Silicate, 60° 700 lb bbls, f.a.s. NY ....100 lb	...	2.00
Works, 1000 lb drums. ....100 lb	...	1.99
Works, tanks. ....100 lb	...	1.75
40° domestic, 700 lb c/l f.a.s. wks. ....100 lb	...	.80
Works, 1000 lb drums. ....100 lb	...	.85
Works, tanks. ....100 lb	...	.75
Spot, drums, bbls. ....100 lb	1.05	1.80
Silicofluoride, 450 lb bbls, NY ....lb	.04	.04%
Sulphate, see Glauber's Salt	...	...
Sulfate, Anhydrous, 550 lb bbls, c/l wks. ....100 lb	.03%	.04
Imp. 250 lb bbls. ....lb	.03	.03%
Sulfide, 60% solid, 650 lb drs. lc/l wks. ....100 lb	.04	.04%
Drs. c/l wks. ....100 lb	.03	.03%
Imp. 700 lb drs. NY ....lb	...	...
60% broken, 650 lb drs, wks. ....lb	...	.04%
Imp., 500 lb drs. NY. ....lb	.03%	.04
30% crys. 440 lb bbls, wks. ....lb	.02	.02%
Imp. 400 lb bbls.lb	.02%	.02%
Sulfite, crys. 400 lb bbls, wks.lb	.03%	.03%
Anhydrous, 400 lb bbls.lb	.09%	.10



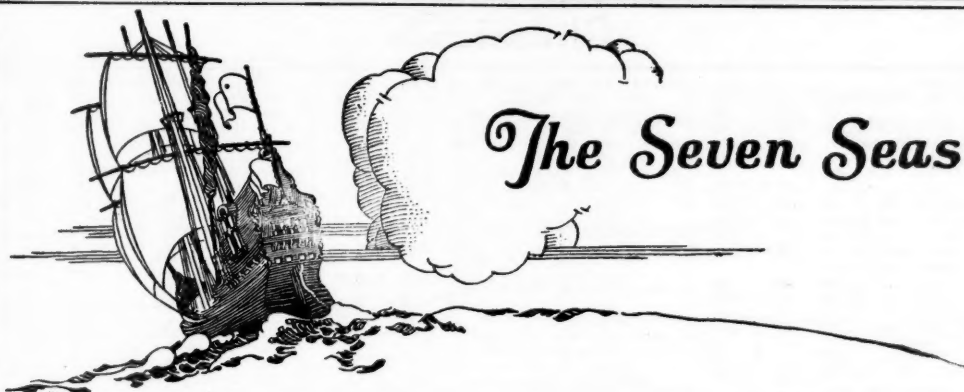
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PRICES CURRENT SECTION

Chemicals

SODIUM—(Continued)			SULFUR, crude bulk, c/1 NY..ton	18.00	: 19.00	Thiocarbamid, 170 lb bbls. D	.27	: .39
Sulfocarbonate, USP, 100 lb kegs D	.35	: .37	Crude, f.o.b. mines ton	14.00	: 15.00	Thymol, USP, 25 lb tins. D	5.50	: 6.00
kegs D	.35	: .37	Brimstone, 250 lb bags, c/1 100 lb	1.75	: 1.95	Iodide, 5 lb boxes D	7.25	: 7.50
Sulfoeyanide, 400 lb bbls. D	.45	: .47	Less c/1 bags NY.....100 lb	1.85	: 2.10	YIN, Metal Straits NY.....100 lb	...	: 53.12
Tungstate, crys. 100 lb kegs. D	.55	: .60	Roll, 500 lb bbls. c/1 NY.100 lb	...	: 2.15	American standard, NY.....100 lb	...	: 53.00
Anhydrom, kegs D	...	: .75	Less c/1 bags NY.....100 lb	2.20	: 2.45	99% American, NY.....100 lb	...	: 52.62
SOLVENT NAPHTHA, 110 gal.			Flour, Heavy, 290 lb bbls. 100 lb	2.50	: 3.05	Blechloride, 5% soln. 100 lb	...	
drs. wks. gal	.29	: .30	Light, 100%, 260 lb bbls. 100 lb	2.60	: 3.15	bbls. wks. D	.15	: .15 1/2
8000 gal. tank cars wks. gal	.24	: .25	Rubbermakers 100% . 240 lb	...		Crystals, 500 lb bbls. D	...	: .87 1/2
Spartein Sulfate, USP, 250 lb bulk. oz	.30	: .40	bbls. NY .....100 lb	2.50	: 3.30	100 lb kegs, wks. D	...	: .85
Single oz. vial oz	.47		Commercial, 99%, 150 lb bgs.	1.35	: 1.65	Oxide, 400 lb bbls. wks. D	...	: .54
Starch, rice, 140 lb bags. D	.09	: .10	NY .....100 lb	...		100 lb kegs, wks. D	...	: .56
STRONTIUM Bromide, USP, 50 lb			For Dusting, 99%, 100 lb	2.00	: 2.50	Tetrachloride, 1000 lb drs. wks. D	...	: .30 1/2
kegs D	.51	: .52	bgs. NY .....100 lb	...		Tolidine, 350 lb bbls. D	1.00	: 1.10
Carb. 600 lb bbls. wks. D	...	: .07	Flowers, 100%, 240 lb bbls.	8.00	: 3.55	Sulfate, 350 lb bbls. D	...	: 1.10
100 lb kegs, wks. D	...	: .08	NY .....100 lb	...		Toluene, 8000 gal tank cars, wks. gal	...	: .26
Iodide, USP, 25 lb jars. D	...	: 4.00	Precipitated, 125 lb bbls NY.. D	.14	: .17	110 gal. drs. wks. gal	...	: .81
Nitrate, 600 lb bbls., wks. D	.10	: .10 1/2	Lac, 125 lb bbls NY..... D	.07	: .10	Toluidine, Mixed, 900 lb drs. wks. D	.81	: .82
Imp., bbls., NY..... D	...	: .09 1/2	Sulfur Chloride, red, 700 lb drs.	...		Triacetin, 50 gal. drs., wks. D	...	: .87 1/2
Saltolite, USP, 100 lb kegs. D	.70	: .75	wks. D	.06	: .07	Triphenylphenol, 100 lb cases. D	...	: 1.00
STRYCHNINE Alkaloid, USP, crys.			150 lb crys. wks. D	...	: .08	Trional, see Sulfonethymethane	...	
100 oz. tins oz	.81		Yellow, 700 lb drs. wks. D	.05	: .06	Triphenylguanidine D	...	: .80
Alk. powd., USP oz	.71		150 lb crys. wks. D	...	: .07	Triphenyl Phosphate, 450 lb bbls. D	...	: .55
Acetate oz	.80		Sulfur Dioxide, 100 lb cyl. D	.08	: .08 1/2	Trippol, 500 lb bbls. ....100 lb	2.50	: 3.00
Glycerophosphate, USP oz	.80		Iodide, USP, VIII, 5 lb bot. D	...	: 4.55	Tungsten NY W02 unit	8.25	: 9.00
Hydrobromide oz	.80		Sulfuric Ether, see Ether	...		Ultramarine Blue D	.15	: .35
Hydrochloride oz	.80		Sulfuryl Chloride, 600 lb drs. D	.75	: 1.00	UREA, pure, 112 lb cases. D	.18	: .30
Hydrophosphate oz	.80		TALC, Italian 220 lb bags NY..ton	40.00	: 50.00	VANILLIN, USP, 500 oz cases. oz	...	: 49 1/2
Nitrate, USP oz	.80		Refined white, bags ton	60.00	: 80.00	Cans, 80 oz. oz	...	: .50
Phosphate oz	.80		French, 220 lb bgs., NY.....ton	30.00	: 35.00	Cans, 16 oz. oz	...	: .51
Sulfate, USP, crys. powd. oz	...	: .57 1/2	Refined, white, bags ton	35.00	: 45.00	Second Hands oz	.47	: .50
Saccharinate D	1.92		Dom., crude, 100 lb bags NY..ton	13.00	: 15.00	Venetian Red D	...	: .05
Strychnine preparations quoted bases			Refined, 100 lb bgs. NY.....ton	16.00	: 18.00	Verdigris, see Copper Subacetate	...	
1000 oz lots in 1000 oz tins. Small Sizes:			Tar, Coal Gas, Tis. wks. gal	.06	: .08	Vermilion, Amer. 100 lb kegs. D	.35	: .40
1/4 oz vials, 50c extra; 1/2 oz vials, 25c			Coke Oven, Tis. wks. gal	.07	: .08	English, kegs D	1.30	: 1.35
extra; single ounce vials, 7c extra. Lots			Water Gas, Tis. wks. gal	.06	: .08	Veratrine Sulfate, 1 oz vial. oz	...	: 1.85
of 25 ozs. 5c higher than above			Tartar Emetic, tech. 700 lb bbls. D	.24	: .25	Hydrochloride, 1 oz vial. oz	...	: 1.85
schedule. Lots of less than 25 ozs.			USP, 300 lb bbls. D	.31	: .34	Veronal, see Acid Diethylbarbituric	...	
10c higher per oz.			Terpin Hydrate, USP, 100 lb kegs D	.60	: .62	WHITE LEAD, see lead, white		
Sugar Coloring bbls. gal	.63	: .72	Terpineol, CP 1000 lb drums. D	.43	: .50	White Precipitate, see mercury	...	
Sulfonal, see Sulfonmethane			Cars, 50 lb D	.53	: .57	Whiting, 200 lb bags, c/1 wks. ton	13.00	: 15.00
Sulfonethymethane, USP, 10 lb bbs. D	3.85	: 4.05	Imported, cars, 25 lb D	.95	: 1.20	Bags, 1c/1 NY.....ton	...	: 18.00
Sulfonmethane, USP, 10 lb bbs. D	2.65	: 2.85	Terpenyl Acetate, 25 lb cans. D	1.65	: 1.85	Children, bags, NY.....ton	13.50	: 15.00
			Terra Alba, No. 1, 300 lb bbls 100 lb	1.85	: 1.90	French, bags, NY.....ton	...	: 18.00
			No. 2, bbls. ....100 lb	1.25	: 1.35	English, bags, NY.....ton	...	: 21.00
			Theobromine Alk., 5 lb cans. D	4.00	: 4.10	Witch Hazel Extract, 50 gal. bbls. gal	1.05	: 1.10
			and Sod. Salicylate, 1 lb bot. D	...	: 3.42			

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Chemicals

XYLENE, 3° dist range, nitration	.45	.50
110 gal. dra. NY.....gal	.50	.55
5° dist. range, 8000 gal. tanks		
wks.....gal	.35	.40
110 gal. dra. wks.....gal	.40	.45
10° dist. range, drums, wks.....gal	.35	.40
Tanks, wks.....gal	.25	.26
Commercial 110 gal. dra., wks gal.	.30	.31
Tanks, wks.....gal	.25	.26
Ylindine.....lb	.40	.45
VARA VARA, 1 lb. time.....lb	1.75	2.00
Yohimbin Hydrochloride, 1 oz. vial, oz	3.00	3.57
ZINC, METAL, high grade, slabs		
c/l NY.....100 lb	8.25	
Common Slabs, c/NY.....100 lb	6.85	6.97
Moessy, 25 lb tps NY.....lb		.14
Ammonium Chloride, powd., 400 lb		
bbls.....lb	.07½	.08
Carb. tech. 150 lb kegs NY.....lb		.20
USP, 100 lb kegs.....lb		.53
Chloride, fused, 500 lb drs. wks.....lb		.08
Drs. c/l wks.....lb	.04½	.05
Granulated, 500 lb bbls. wks.....lb	.07	.07½
Imported, drs. NY.....lb	.06¾	.06½
Solution, 50% tanks sks 100 lb	2.25	2.50
USP, 25 lb jars.....lb	.27	.29
Cyanide, 100 lb drs.....lb	.40	.41
Dust, 100 lb tins, wks.....lb	.09	.09½
500 lb bbls., kegs, c/l wks.....lb		.08½
500 lb bbls., kegs, c/l wks.....lb		.08
Iodide, 5 lb bots.....lb		.45
Nitrate, 25 lb jars.....lb		.08½
Oxide, Amer. 300 lb bbls, wks.....lb	.10½	.12½
French, 300 lb bbls wks.....lb	.09½	.11½
Bbl c/l wks.....lb	.09½	.10½
Bags, c/l wks.....lb		.17
USP, 100 lb bbls. c/l.....lb		.18
Ton lots, wks.....lb		.12
Imported, white seal, bbls.....lb		.10½
Green seal, bbls.....lb		.18½
USP 100 lb bbls.....lb		.03¾
Sulfate, 400 lb bbls., wks.....lb		.03
Bbls., c/l wks.....lb		.08
USP 100 lb kegs.....lb		.30
Sulfide, 500 lb. bbls.....lb		.32
Sulfocarbonate, 100 lb kegs.....lb		.35

Oils

Castor, No. 1, 400 lb bbls.....lb	.17½	.18
80 lb cases.....lb		.18½
No. 3, bbls.....lb	.17	.17½
Brown, 400 lb bbls.....lb		.19
China Wood, bbls., spot NY.....lb	.15	.15½
Tanks, Spot, NY.....lb		.15½
Nov., Dec. forw. arr. NY bbls. lb	.15½	.15½
Nov. forward, arrival NY tanks. lb	.14½	.14
Cst., tks., Nov., Dec. forw. lb		.14
Coconut Ceylon, 375 lb bbls., NY. lb	.11½	.11½
8000 gal. tanks, NY.....lb		.09¾
Cochin, 375 lb bbls., NY.....lb	.12	.12½
Tanks, NY.....lb		.09¾
Manilla tanks, P. Coast.....lb		.09¾
Edible, bbls., NY.....lb	.12½	.13
Cod Newfoundland, 50 gal. bbls. gal	.62	.65
Tanks, NY.....gal	.55	.57
Copra, bags.....lb	.06	.06½
Corn, ref., 375 lb bbls., NY.....lb		.13½
Crude, tanks mills.....lb		.10
Bbls., NY.....lb		.11½
Cottonseed, crude, tks., mill.....lb	.08½	.08½
P. S. Y., 100 bbls., NY.....lb	.10½	.10½
White, 100 bbls. lots, NY.....lb		.13
Winter yellow, 100 bbls., NY.....lb		.04½
Degras, Amer. 50 gal. bbls., NY. lb	.05½	.05½
English, light, bbls., NY.....lb	.04	.04½
Brown, bbls., NY.....lb	.04½	.05
Light brown, bbls., NY.....lb	.04½	.04
Dark, bbls., NY.....lb	.10	Nom
Neutral, bbls., NY.....lb	.50	Nom
Moesson, bbls. NY.....gal	.14½	.15
Greases, choice white, bbls., NY.....lb		.08¾
Yellow.....lb		.08
Brown.....lb		.08½
Horse.....lb		.07
Bone naphtha.....lb		Nom
Herring, Tattos, Coast.....gal		Nom
Horse, 275 lb bbls., NY.....lb	.17	.17½
Lard, prime steam, bbls.....lb		.13½
Compounds, bbls.....lb		

LARD OIL, Edible prime, bbls....lb	.20½	
Off prime, bbls.....lb	.19½	
Extra, bbls.....lb	.15½	
Extra No. 1, bbls.....lb	.13½	
No. 1, bbls.....lb	.12½	
No. 2, bbls.....lb	.12½	
LINSEED, raw c/l bbls., spot.....gal	1.06	
Five bbls., raw.....gal	1.09	
Boiled, 5 bbl. lots.....gal	1.11	
Double boiled, 5 bbl. lots.....gal	1.12	
Raw, c/l bbls.....gal	1.09	
Tanks.....gal	1.00	
Nov., c/l wks.....lb	1.02	1.03
Dec., Apr., c/l wks.....lb		1.00
Imported, bbls., NY.....gal		
Tanks, NY.....gal		
Menhaden, crude bbls., wks.....gal		
Crude, tanks, Balt.....gal	.54	.55
Light strained, bbls., NY.....gal	.68	.70
Yellow bleached, bbls., NY.....gal	.71	.72
Extra bleached, bbls., NY.....gal	.73	.74
Blown, bbls., NY.....gal		
Neatsfoot, 20° c.t. bbls., NY.....lb	.18½	
Pure, bbls., NY.....lb	.15½	
Extra, bbls., NY.....lb	.13½	
No. 1, bbls., NY.....lb	.12½	
Oleo Oil, No. 1, bbls., NY.....lb	.22	.22½
No. 2, bbls., NY.....lb	.19	.19½
No. 3, bbls., NY.....lb	.17½	
OLIVE, denatured bbls., NY.....lb	1.30	1.35
Edible, bbls., NY.....gal	2.15	2.25
Foots, bbls., NY.....gal	.09½	.09½
Shipments.....lb	.09½	.09½
Palm Lagos, 1500 lb casks.....lb	.09	.09½
Niger coals.....lb	.08½	
Bonny old Calabar, casks.....lb		Nom.
Palm Kernel, bbls., NY.....lb	.10½	.10½
Peanut, refined, bbls., NY.....lb	.17	.17½
Crude, mills buyers' tks.....lb		
Crude, bbls., NY.....lb		
Perilla, bbls., NY.....lb	.14½	.14½
Poppyseed, bbls., NY.....gal	2.25	2.50

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write to us on the 23rd of October, 1922:—

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U. S. A., write to us on the 5th of January, 1923:—

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Oils and Fertilizers

Rapeseed, refined, bbls N.Y.	gal	.94	..	.95
Blown bbls, NY	gal	1.05	..	1.07
Red Oil, distilled, bbls	..	..	..	1.04
Saponified, bbls	..	..	..	1.04
Tanks	..	..	..	.09 1/2
Ammon, 8000 gal tks. Coast	gal	..	..	..
Sesame, edible, bbls	..	..	..	.13 1/4
Soy Oil, bbls, NY	gal	..	..	.40
SOYA BEAN, crude, tks, Coast	lb	..	..	.11 1/4
Crude, Tks, NY	..	..	..	.11 1/4
Crude, bbls, NY	..	..	..	.13 1/4
Refined, bbls, NY	..	..	..	.14
Sperm, 38° c.t. blehd. bbls NY	gal	.92	..	.93
45° cold test, blehd. bbls NY	gal	..	..	.90
STEARIC ACID, s.p. 200 lb bags	lb	.11	..	.11 1/4
Double pressed, bags	..	..	..	.11 1/4
Double pressed, bgs, saponified	lb	.11 1/4	..	.12
Triple pressed, bgs, distilled	lb	.13 1/4	..	.14
Triple pressed, bgs, saponified	..	..	..	.14
Stearine, oleo, bbls	..	..	..	.13 1/4
Tallow, edible, tierces	..	..	..	.10 1/4
City, extra, loose	..	..	..	.09 1/4
Tallow Oil, acidless tks. NY	..	..	..	.11 1/4
Bbls, c/1 NY	..	..	..	.13 1/4
Walnut, crude bbls, NY	..	..	..	..
Whale, nat winter bbls, NY	gal	..	..	.77
Blehd. winter bbls, NY	gal	..	..	.81
Extra Blehd. bbls, NY	gal	..	..	.83
Crude, No 1, tanks Coast	gal	..	..	..
Crude, No 2, tanks Coast	gal	..	..	..
Crude, No 3, tanks Coast	gal	..	..	..

Fertilizer Materials

Blood, dried, f.a.b. NY	unit	3.75	..	4.00
Chicago	unit	3.90	..	4.10
Bone, 3 & 50 gr. steam, Chgo.	unit	22.00	..	23.00
Raw, NY	ton	..	..	33.00
Cyanamide, NY, basis	unit	1.65	..	1.75
Fish Scrap, dried wis.	unit	4.50	..	4.10
Acid, Bulk 7 & 8 1/2, Deliv	..	..	..	..
Norfolk & Balt. basis	unit	..	..	..
Steamed Bone Meal, 3 & 50 Balt.	ton	24.00	..	26.00
Tankage, ground, NY	unit	3.45	..	4.10
High grade f.a.b. Chicago	unit	3.85	..	4.10

Ammon. Sulf., bulk wis.	100 lb	2.60	..	2.65
Double, bgs, f.a.s. NY	100 lb	2.90	..	3.00
Single bgs, wis.	100 lb	..	..	2.75
NITRATE SODA, spot	100 lb	2.39	..	2.40
Future, Oct-June	100 lb	2.40	..	2.42 1/2
Phosphate Rock, f.a.b. mines	..	..	..	..
Florida Pebble, 68%	ton	..	..	2.25
Florida Pebble, 70%	ton	..	..	2.50
Florida Pebble, 75-74%	ton	..	..	3.75
Tennessee, 72%	ton	..	..	5.50
Phosphate Acid, 16% Bulk wis.	ton	..	..	9.00
PClASH	..	..	..	..
Pot. Muriate, 80% basis, bgs/ton	..	..	..	34.55
Pot. Sulfate, 90% basis, bgs, ton	..	..	..	45.50
Dble. Manure Salts 4% basis	..	..	..	26.35
Manure Salts, 30% basis, bulk ton	..	..	..	17.03
Manure Salts, 20% basis, bulk ton	..	..	..	10.55
Kainite, 12.4% basis, bulk ton	..	..	..	7.75
Bulk in bags, \$2.00 extra	..	..	..	..
Prices c.i.f. Atlantic & Gulf Ports	..	..	..	..
Discounts, 50 tons, 5%; 500 tons, 10%.	..	..	..	..

Naval Stores

(Carloads ex-yard N. Y.)				
Spirits Turpentine, bbls	gal	.86	..	.86 1/2
Wood Turpentine, stm. distd. bbls	gal	..	..	.79
Destructive distilled, bbls	..	..	..	.68
Pine Oil, stm. dist. bbls	gal	..	..	.66
Pitch, prime	bbl	..	..	6.00
Rosins, (Sold in 500 lb bbls., gross for net, quotations based on a unit of 250 lb.)	..	..	..	..
B	250 lb	..	..	7.30
D	250 lb	..	..	7.30
E	250 lb	..	..	7.30
F	250 lb	..	..	7.30
G	250 lb	..	..	7.30
H	250 lb	..	..	7.30
I	250 lb	..	..	7.30
K	250 lb	..	..	7.30
M	250 lb	..	..	7.40
N	250 lb	..	..	7.60
WG	250 lb	..	..	8.15
WW	250 lb	..	..	8.90

Rosin Oil, first run, 50 gal. bbls	gal	..	..	.45
Second run, bbl	..	..	..	.47
Tar, kiln-burnt	bbl	..	..	12.50
Retort	bbl	..	..	12.00

Dye and Tan Woods

Barwood, chips	lb	.04 1/2	..	.08
Camwood, chips	..	..	..	.12
Diri Diri, pods, bags	ton	42.00	..	44.00
Furic, sticks	ton	30.00	..	32.00
Chips	..	..	..	.04
Hemlock, bark	ton	..	..	20.00
Hyperic. chips	lb	.06 1/4	..	.07
LOGWOOD, sticks	ton	23.00	..	27.00
Chips 150 lb bags	..	..	..	.03
Mangrove bark, African	ton	..	..	Nom.
Myrobalans, bags, J1	ton	45.00	..	47.00
R1	ton	42.00	..	44.00
J2	ton	42.00	..	44.00
Nutgalls, see Crude Drugs	..	..	..	..
Oak bark, whole	ton	20.00	..	23.00
Ground	..	..	..	25.00
Quercitron bark, rough	ton	..	..	10.00
Ground	ton	20.00	..	25.00
Sumac, Sicily, 160 lb bags	ton	170.00	..	175.00
Virginia, 150 lb bags	ton	40.00	..	45.00
Valonia Caps 30-31% tan	ton	32.00	..	33.00
Beard, 42% tan, bgs	ton	..	..	50.00
Mixtures, 36% tan	ton	37.00	..	38.00
Wattle bark, bgs	ton	37.00	..	39.00

Extracts

Range of prices includes quality range for large quantity.				
Anatto, fine	..	.33	..	.39
Archil, double 600 lb bbls	..	.13	..	.14
Triple, 600 lb bbls	..	.18	..	.17
Cone, 600 lb bbls	..	.18	..	.20

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Chestnut, clarified, 25% tka. wis. lb.	.01%	.01%
Bbls., wis.	.02%	.03
Powd., 60% 100 lb bags, wis. lb.	.05%	.05%
Decolorized, bags, wis.	.06%	.07
Cashew, English	.18	.20
Cutch, Rangoon, 100 lb bales.	.14	.16
Borneo, solid, 100 lb bales.	.04%	.05%
Liquid, 450 lb bbls.	.07%	.11
Tablets, 120 lb boxes.	.13	.14
Viatic	.95	1.00
Wardie, solid 50 lb boxes.	.20	.22
Crystals, 100 lb boxes.	.20	.22
Liquid, 51°, 600 lb bbls.	.10	.14
Gall extract	.16	.18
Gambier, 25% liq. 450 lb bbls.	.12	.14
Common, 200 lb cases	.18%	.19
Singapore cubes, 150 lb bags.	.23	.25
HEMATINE, Paste, 500 lb bbls.	.00%	.13
Crystals, 400 lb bbls.	.12	.20
Hemlock, 25% 600 lb bbls. wis.	.03%	.03%
Hyperic, 51°, 600 lb bbls.	.16	.18
Indigo, Madras, bbls.	.85	.90
Manila, bbls.		1.30
Larch, 25%, 600 lb bbls., wis.	.03%	.04
Powd. 100 lb bags, wis.	.07	.08
Logwood, 51°, 600 lb bbls.		.09
Lower grades	.07	.08
Solid, 50 lb boxes.	.09	.15
Madder, Dutch	.28	.30
Mangrove, 55% 400 lb bbls.	.04%	.05
Myrobalsam, 25% liquid bbls.	.04	.05
50% solid, 50 lb boxes.	.05	.05%
Sak, tanks, wis.	.04	.04%
23-25% liq. 600 lb bbls. wis.	.04%	.04%
Sage Orange, 51° liquid.	.07	.08
Powd. 100 lb bags.	.14	.15

Persian Berries	.27	.30
QUEBRACHO, 35% liquid tka. lb.	.03	.03%
450 lb bbls.	.03%	.04
35% bleaching, 450 lb bbls.	.04%	.05%
Solid 65% 100 lb bales.		.04%
Clarified, bales		.05
Quercitron, 51° 450 lb bbls.	.06	.08
Powdered, 100 lb boxes.	.09	.13
Spruce, 25% liquid tanks wis.	.01	.01%
Powd. 50% 100 lb bags wis.	.02	.02%
Sumac, liquid 450 lb bbls.	.06	.07%
Stainless, 600 lb bbls.	.11	.12

DYEYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. lb.		1.35
Blood, 100 lb drs.	.45	.50
Egg Yolk, Spray, 150 lb cs.	.45	.65
British Gum, 140 lb bags c/l 100 lb		4.82
Bags, c/l		4.92
Dextrin, corn 140 lb bags c/l 100 lb		4.52
Bags, c/l		4.62
Yellow, bags c/l		4.57
bags, c/l		4.67
Potato 220 lb bags c/l		.08
Bags, c/l		.08%
Yellow, 220 lb bags.		.07%
Tapioca, 200 lb bags, c/l.	.09	.09%
Prussian blue	.35	.40
Sago Flour, 150 lb bags.		.03%
STARCH, powd. 140 lb bgs. c/l 100 lb		3.97
Bags, c/l		4.07
Pearl, 140 lb bags c/l		3.97
Bags, c/l		3.97
Potato, domestic, 200 lb bags.	.05%	.06
Imported, bags duty paid.		.06%
Tapioca Flour, high grade bags.	.06	.06%
Medium grade bags	.05%	.05%
Low grade, bags	.04	.05
Turkey Red Oil, bbls.	.11	.12
Yolk Oil, bbls.		.35

Crude Drugs

Acetone Gum, yel.	.18	.20
ACONITE Leaves, bales.	.10	.12
Root, USP, bags	.35	.37
Agar Agar, 1, 200 lb bales.	1.55	1.60
No. 2, bales		1.50
No. 3, bales		1.35
Agaric, white, cases.	2.75	3.00
Almonds, bitter, bags bxs.	.60	.65
Sweet, bags	.57	.60
Meal, tins, boxes	.24	.26
Aletris Root, bags.	.43	.44
Alkanet Root, bags	.06	.06%
Alces, Barbadoes, 120 lb bbls.	.65	.70
Cape, 400 lb cases	.09	.09%
Curacao, 100 lb cases		1.10%
Scorodina, whole 100 lb cs.	.25	.30
Select, cakes, lb	.35	.37
Althea Root, cut cases.	.22	.24
Whole bags	.08	.09
Ambergris, black boxes	8.00	10.00
Grey, boxes		26.00
Ammoniac, tears, bags	.68	.73
Angelica Root, dom. bags.	.12	.13
Angustura Bark, bags		.16
Anise, Levant bags	.15	.16
Russian, bags	.18	.14
Star, cases	.11	.11%
Spanish, bags	.14%	.15
Anatto Seed, 200 lb bags.	.22	.23
ARABIC GUM.		
White, No. 1, 200 lb bags.	.26	.27
Seconds, 250 lb bags	.24	.25
Sorts, amber, 200 bgs. bis.	.11%	.12
Powd., USP, 300 lb bbls.	.18	.20
Areca Nuts, 150 lb bags.		.15
Powd., 200 lb bbls.	.14	.15
Arrica Flowers, bales.	.08	.08%
Root, bags	.25	.30
Arrowroot, Amer. powd. bbls.	.14%	.11
St. Vincent, powd. bbls.	.14%	.15
Amfetide, USP, 250 lb cases.	.23	.25
Powd., 60 lb bxs.	.38	.40
BALM GILEAD BUDS, bags.	.40	.45
Balmory Herbs, bales.		.14

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Crude Drugs

BALSAMS								
Copaiba, Para, 80 lb cs.....	lb	.35 : .37	Canella Alba Bark, bales.....	lb	.50 : .52	Cinnamon, Ceylon, bales.....	lb	.35 : .37
South American, 80 lb cs.....	lb	.40 : .42	Cannabis, true imp. bags.....	lb	... : ...	Broken, bales.....	lb	.24 : .26
Fir Canada, cans.....	gal	10.25 : 11.25	American (no assay) bales.....	lb	.40 : .50	Civet, Alysia horns.....	oz	2.75 : 3.75
Oregon, bbls., cans.....	lb	.95 : 1.10	USP.....	lb	.70 : .85	Clover Tops, bags.....	lb	.17 : .18
Peru, 120 lb cases.....	lb	1.75 : 1.80	Cantharides, Chinese cases.....	lb	.05 : 1.00	Cloves, Zanzibar, 135 lb bales.....	lb	.28 1/2 : .29
Tolu, 90 lb cases.....	lb	1.70 : 1.90	Powdered, boxes.....	lb	1.15 : 1.20	Amboyas, bales.....	lb	.30 : .31
Bamboo Brier Root, bags.....	lb	.05 1/2 : .08	Cantharides, Russian, cases.....	lb	.80 : .85	Penang, bales.....	lb	.40 : .42
Barberry Bark, tree bales.....	lb	.11 : .13	Powdered, boxes.....	lb	1.00 : 1.10	Cochineal, USP, boxes.....	lb	.45 : .47
Root, bags.....	lb	... : ...	Caraway Seed, African, bags.....	lb	.09 1/2 : .10	Coca Leaves, Huanuco bags.....	lb	... : ...
Bayberry Bark, bales.....	lb	.10 : .12	Dutch, 11 lb bags.....	lb	.10 : .10 1/2	Truxillo, bags.....	lb	... : ...
Wax, bbls.....	lb	.20 : .21	Cardamom, bleach, cases.....	lb	2.00 : 2.25	Cohosh Root, Black bags.....	lb	.08 : .08 1/2
Belladonna Leaves, bales.....	lb	.25 : .26	Decorticated, cases.....	lb	1.80 : 1.90	Blue, bags.....	lb	.10 : .10 1/2
Root, bags.....	lb	.12 : .13	Green, grinding, bags.....	lb	1.40 : 1.45	Colchicum Root, bags.....	lb	.07 : .08
Bees Wax, white cases.....	lb	.40 : .42	Carrauba Wax, Flor. bags.....	lb	.39 : .42	Seed, bags.....	lb	.17 : .19
Yellow, refined, cases.....	lb	.25 1/2 : .28	No. 1 N Country bags.....	lb	.34 : .36	Colocynth, apples, cases, bales.....	lb	... : ...
Crude, bags.....	lb	.23 : .25	No. 2 N Country bags.....	lb	.28 : .30	Palp, USP, bales.....	lb	.28 : .30
Benzoin Gum, Siam, boxes.....	lb	1.30 : 1.35	No. 3 Fatty Gray, bags.....	lb	.22 : .23	Colombo Root, whole bags.....	lb	.03 : .03 1/2
Sumatra, 80 lb boxes.....	lb	.25 : .27	No. 3 Chalky, bags.....	lb	.22 : .23	Coltsfoot Leaves, bags.....	lb	.05 : .06
Berberis Aquifolium Root, bags.....	lb	.14 : .15	Cascara Amara, 150 lb bales.....	lb	... : 2.50	Comfrey Root, bags.....	lb	.13 : .14
Both Root, bags.....	lb	.28 : .30	Cascara Sagrada, bales, 1920-22	lb	.21 : .23	Condurage Bark, bales.....	lb	.19 : .22
Bitter Root, 100 lb bags.....	lb	.40 : .42	bark.....	lb	.18 : .20	Conium Seeds, bags.....	lb	.12 : .14
Blackhaw Bark, root, bales.....	lb	.33 : .34	1923 bark.....	lb	.13 1/2 : .14 1/2	Copaiba Balsam Para, see Balsams		
Tree, bales.....	lb	.15 : .16	1924 bark.....	lb	... : ...	Copal Gum.....	lb	.12 : .13
Black Indian Root, 100 lb bags.....	lb	.40 : .42	Cascarilla Bark, quills bales.....	lb	... : ...	Coriander Seed, Bombay bales.....	lb	.06 : .06 1/2
Rhod Root, bags.....	lb	.14 : .15	Siftings, bbls.....	lb	... : ...	Morocco, bags.....	lb	.07 : .07 1/2
Blueflag Root, bags.....	lb	.25 : .27	Castia Buds, 66 lb cases.....	lb	.12 1/2 : .13	Bleached, bags.....	lb	.10 1/2 : .11
Boldo Leaves, bales.....	lb	.20 : .21	China, Whole Rolls, cases.....	lb	.07 1/2 : .08	Corn Silk, bales.....	lb	.04 1/2 : .06 1/2
Bonest Herb, bales.....	lb	.08 : .09	Saigon, assort. bales.....	lb	.30 : .31	Cotton Root Bark, bales.....	lb	.14 : .15
Borage Flowers, bales.....	lb	.17 : .20	Castia Fistula, baskets.....	lb	.09 : .10	Coltsfoot Leaves, bags.....	lb	.05 : .50
Bryonia Root, bags.....	lb	.10 : .11	Castile Soap, USP, powd., 200 lb	lb	.27 : .28	Cowhage, oz. tins.....	lb	.07 : .08
			bbls.....	lb	.03 : .03 1/2	Crap Bark, so-called bales.....	lb	.30 : .32
BUCU LEAVES, short, 250 lb			Castoreum, 1 lb bot.....	lb	4.00 : 4.50	True, bags.....	lb	.16 : .18
bales.....	lb	.76 : .78	Catechu Gum, bags.....	lb	.11 : .12	Cranesbill Root, bags.....	lb	.60 : .65
Less, bales.....	lb	.81 : .83	Catnip Herb, bales.....	lb	.23 : .25	CUBE BERRIES, XX bags.....	lb	.63 : .65
Long, bales.....	lb	... : ...	Celery Seed, 220 lb bags.....	lb	.30 1/2 : .31 1/2	Powdered, boxes.....	lb	.22 : .23
Burkthorn Bark, bags.....	lb	.05 : .05 1/2	Ceresin Wax, white bags.....	lb	.10 1/2 : .11	Culvers Root, bags.....	lb	.20 : .22
Burdock Root, bags.....	lb	.13 : .15	Yellow, 200 lb bags.....	lb	.09 : .10	Cumin Seed, Levant bags.....	lb	.19 : .19 1/2
Hurgundy Pitch, dom., 110 lb stands	lb	... : .05	CHAMOMILE FLOWERS, Roman			Malta, bags.....	lb	.12 : .13 1/2
Gross for net.....	lb	... : ...	cases bales.....	lb	.28 : .30	Morocco, bags.....	lb	.12 : .13
Calabar Beans, bags.....	lb	.53 : .55	Hung. cases bales.....	lb	.06 1/2 : .07	Cuttlefish Bone, Trieste, straps.....	lb	... : .50
Calamus Root, bleached cases.....	lb	.06 : .07	Charcoal Willow, powd. bbls.....	lb	.06 : .06 1/2	Small, straps.....	lb	... : .35
Unbleached, bags.....	lb	.18 : .20	Wood, powd. bbls.....	lb	.04 : .05	French straps.....	lb	.13 1/2 : .14
Calendula Petals, imp. bales.....	lb	.25 : .28	Chestnut Bark, bags.....	lb	.07 : .08	Powdered, boxes.....	lb	... : .07
Calisaya Bark, bales, powd.....	lb	.07 1/2 : .08	Herb, bales.....	lb	... : .06 1/2	Broken, boxes.....	lb	... : .25 1/2
Camphor, see Chemicals			Chicle Gum, bags.....	lb	.10 : .12	Damar Gum, 135 lb cases.....	lb	.14 : .15
Canary Seed, Morocco bags.....	lb	.07 : .07 1/2	Chiretta, bales.....	lb	.48 : .50	Damiana Leaves, bales.....	lb	.27 : .30
South American, bags.....	lb	.28 : .30	Cinchona Bark, red quills bales.....	lb	.24 : .25	Dandelion Roots, Imp., bags.....	lb	.08 1/2 : .09
Carriella Wax, bags.....	lb	... : ...	Broken bales.....	lb	... : ...	Deer Tongue Leaves, bales.....	lb	... : ...

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Crude Drugs

Digitalis Leaves, bales.....lb	.07	.08	Grindelia Robusta Herb, bales...lb	.07%	.08%	LADY SLIPPER ROOT, bags.....lb	.50	.55
Dill Seed, bags.....lb	.06	.07	Guaiac Gum, 80 lb cases.....lb	.42	.44	Larkspur Seed, bags.....lb	...	...
Dogwood Bark, Jamaica bags.....lb	.10	.11	Guarana, tins, cases.....lb	.65	.70	Laurel Leaves, bales.....lb	.04%	.05
American, bales.....lb	.07	.08	GUM, see Arable Gum, etc.			Lavender Flowers, ordinary.....lb	.22	.26
Doggrass Root, USP, cut bags.....lb	.10	.11				Selected.....lb	.30	.40
Dragons Blood, mass cases.....lb	.65	.70	HELLEBORE ROOT,			Leeches, tubs.....Per 100	3.90	4.50
Reeds, boxes.....lb	.80	.85	Black, bbls.....lb	.08	.10	Lemon Peel, bags.....lb	.03	.09
ECHINACEA ROOT, bags.....lb	.31	.32	Powdered.....lb	.15	.17	Licorice Root, Russian, whole.....lb	.07	.07%
Elecampane Root, bags.....lb	.09	.10	White, Powd., 250 lb bbls.....lb	.11	.12	Spandish, natural bales.....lb	.08%	.09
Elder Flowers, bags.....lb	.11	.14	Helonias Root, (uncolor false) bags.....lb	.67	.68	Powdered, bbls.....lb	.08	.09%
Elemi Gum, 80 lb cases.....lb	.10	.11	Hemp Seed, Manchurian bags.....lb	.03%	.04	Selected, 2 & 3 lb bundles.....lb	.14	.17
Elm Bark, select 5 lb bundles cases.....lb	.26	.27	Chilian, bags.....lb	.03%	.04	Cuttings, 125 lb bags.....lb	.06	.06%
Grinding, bags.....lb	...	...	Heshane Leaves, bales, USP.....lb	.28	.30	Greek, 150 lb bales.....lb	.03	.03%
Powdered, bbls.....lb	.23	.25	No assay.....lb	.26	.27	Life Everlasting Herbs, bales.....lb	.05	.06
ERGO, 150-200 lb bags.....lb	.40	.42	Henna Leaves, bales.....lb	.09%	.10	Lime Juice, clarified bbls.....gal	.60	.65
Eucalyptus Leaves, bales.....lb	.05	.06	Honey, Calif., 120 lb cases.....lb	.12%	.13	Linden Flowers, with leaves, bales lb	.10	.11
Euphorbia Pilulifera Herb, bags.....lb	.10	.11	Hops, N. Y. prime bales.....lb	.28	.30	Without Leaves, bales.....lb	.17	.18
Euphorbia Gum, cases.....lb	.25	.27	Pacific Coast prime bales.....lb	.25	.27	Liverwort Leaves, bales.....lb	.19	.20
Powdered, boxes.....lb	.40	.42	Horhound Herb, bales.....lb	.10	.11	Lobelia Herb, bales.....lb	.25	.27
Fennel Seed, French, bags.....lb	.10	.10%	Horsetail Rush, bales.....lb	...	.15	Lobelia Seed, bags.....lb	.62	.63
German, bags.....lb	.13	.17	India Gum, see Karaya			Lorage Root, imported, bags.....lb	.18	.20
Indian, bags.....lb	.07	.07%				Lupulin, boxes.....lb	1.15	1.20
Flax Seed, whole 180 lb bbls.....ea	13.00	13.50	INSECT FLOWERS, open whole			Domestic.....lb	1.15	1.20
Ground, 180 lb bbls.....lb	.07%	.08	Bales.....lb	.40	.42	Lycopodium, 88 lb. oz.....lb	.30	.41
Fenugreek Seed, 200 lb bags.....lb	.05%	.05%	Cleod whole, bales.....lb	.42	.44	MAGE, Siau, No. 1 cases.....lb	...	...
Fish Berries, 100*125 lb bags.....lb	.30	.35	Powdered, pure 200 lb bbls.....lb	.45	.52	Banda, No. 1 cases.....lb	...	...
Fringe Tree Bark, bags.....lb	.20	.21	Flowers and Stems, 50 p.c. 200 lb bbls.....lb	.30	.32	Batavia, No. 2 cases.....lb	...	...
Fumigating Pastilles, Black, 1 lb bxs.....lb	.17	.18	Ipecac Root, Cartagena, bags.....lb	2.25	2.30	West India, cases.....lb	.66	.68
Red, 1 lb. bxs.....lb	.17	.18	Powdered, 200 lb bbls., bxs.....lb	2.35	2.40	Malva Flowers, blue bales.....lb	.25	.37
GALANGAL ROOT, bags.....lb	.07%	.08	Rio Whole, bags.....lb	2.15	2.20	Black, bales.....lb	.55	.60
Galbanum Gum, cases.....lb	.80	.95	Powdered, 200 lb bbls. bxs.....lb	2.25	2.30	Manna, large flake cases.....lb	.77	.79
Gambler Gum, bags.....lb	.18%	.19	Isinglass, American, 130 lb cases.....lb	.75	.80	Small flake, cases.....lb	.40	.41
Gamboge Gum, 160 lb cases.....lb	.74	.75	Russian (Beluga) bxs. etns.....lb	4.00	4.50	Sorts, cases.....lb	...	.30
Powdered, cases.....lb	.83	.85	JABORANDI LEAVES, bales.....lb	.10	.10%	Mandrake Root, bags.....lb	.13	.14
Geleumium Root, bags.....lb	.11	.11%	Jalap Root, whole, 150 lb bags.....lb	.29	.35	Mastic Gum, 120 lb cans.....lb	.55	.57
Gentian Root, bags.....lb	.08	.08%	Powdered, USP, 250 lb bbls.....lb	.34	.38	Messico Bark, bags.....lb	.11	.12
Ginger, African, bags.....lb	.18%	.19	Japan Wax, White bags.....lb	.16	.16%	Matteo Leaves, bales.....lb	.12	.13
Jamaica, grinding, bags, bbls.....lb	.26	.32	Job's Tears, white bags.....lb	.15	.16	Marjoram Leaves, German bales.....lb	.17	.22
Japan, bags.....lb	.16%	.17	Juniper Berries, 125 lb bags.....lb	.05	.05%	French, bales.....lb	.30	.34
Cochin, AEC & Lemon, bags.....lb	.21%	.22	KAMALA, boxes.....lb	1.05	1.10	Millet Seed, dom. yellow bags.....lb	.03%	.04
Ginseng Root, cultivated, bags.....lb	8.00	10.00	Karaya Gum, powdered, bbls.....lb	.10	.18	Montan Wax, crude bags.....lb	.05%	.06
Northwestern Wild, bags.....lb	12.00	14.00	Kava Kava Root bags.....lb	.12	.12%	Bleached.....lb	...	...
Southern Wild, bags.....lb	9.00	11.00	Kino Gum, black cases.....lb	.50	.55	Moss, Iceland bales.....lb	.07%	.08
Golden Seal Root, bags.....lb	3.70	3.80	Kola Nuts, 150 lb bags.....lb	.04%	.05	Irish, bleached, bales.....lb	.08%	.09
Powdered, boxes.....lb	3.90	4.00	Kouso Flowers, bags.....lb	1.50	1.75	Selected, bales.....lb	.10	.10%
Grain of Paradise, bags.....lb	.15	.16				Mullein Flowers, tins.....lb	.90	1.00

Ethers

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Musk, pods, Carbadine, tin.....	16.00	: 17.00	Patchouli, Leaves, bales.....	.16	: .18	Rosemary Flowers, cases bales....	.25	: .28
Tonquin.....	22.00	: 25.00	Penzroyal Herb, bales.....	.08	: .12	Rose petals, pale.....	.22	: .25
Grain Cab.....	25.00	: 26.00	Pepper, black Sling, bags.....	.13 1/2	: .14 1/2	Red.....	.65	: .70
Tonquin.....	35.00	: 38.00	White, bags.....	.18 1/2	: .19	Rue Herb, bales.....	.18	: .22
Synthetic, see Chemicals			Peppers, red Mombasa, bags.....	.10 1/2	: .11	SABADILLA SEED, bags.....	.13	: .14
Musk Root, Russian bags.....	2.10	: 2.75	Cherries, bags.....	.14	: .16	Powder, bbls.....	.15	: .16
Mustard Seed, Bari brown bags..	.11	: .11 1/2	Bombay, bags.....	.12	: .14	Saffron Flowers, Amer. bales....	.72	: .75
Bombay, brown.....	.09	: .10	Japan, bags.....	.22	: .24	Sage, Dalmatian bales.....	.05	: .05 1/2
California, brown.....	.11	: .11 1/2	Peppermint Leaves, imp. bales..	.12	: .14	Greek, bales.....	.04 1/2	: .05
Yellow.....	.05	: .05 1/2	Cuba, bales.....	.18	: .19	Spanish, bales.....	.03	: .03 1/2
Chinese yellow.....	.09 1/2	: .10	Domestic leaf.....	.23	: .25	Sandalwood, chips bags.....	.17	: .18
English, yellow.....	.07 1/2	: .08	Pichl Leaves, bags.....	.08	: .08 1/2	Ground, bags.....	.21	: .22
Dutch, yellow.....	.08 1/2	: .09	Pimento, select bags.....	.80	: .85	Sandarac Gum, 300 lb bbls....	.35	: .37
Danish, yellow.....	.24	: .26	Pink Root, true bags.....	...	: .22	Sarsaparilla Root, Honduras, bales.	.58	: .60
Myrrh Gum, select 200 lb cases...	.20	: .22	Pitch, Burgundy, see Burgundy Pitch	...	: .15	Mexican, bales.....	.22	: .24
Sorts, cases.....	.17	: .18	Pleurisy Root, bags.....	...	: .15	Sassafras Bark, ordinary bales...	.15	: .17
MUTGALLS, Chinese, bags.....	.14	: .15	Plantain Leaves, bales.....	.08	: .09	Select, bales.....	.28	: .29
Aleppy, bags.....	.55	: .57	Poke Berries, bags.....	...	: .30	Savory Leaves, bales.....	.08 1/2	: .09 1/2
Nutmegs, 110s cases.....	.59	: .61	Poke Root, bags.....	...	: .30	Saw Palmetto Berries, bags.....	1.20	: 1.30
75s, 80s cases.....	.08	: .09	Pomegranate Bark, of root bags..	...	: .80	Scammony Resin, boxes.....	.57	: .58
Nux Vomica Buttons, bags.....	.05	: .06	Of Fruit, bags.....	...	: .25	Scammony Root, bags.....	.21	: .23
Powdered, 200 lb bbls.....	.06	: .07	Of Tree.....	...	: .14	Senega Root, bags.....	.13	: .15
OAK BARK, red bags.....	.10	: .10 1/2	Poppy Flowers, red bags.....	...	: .11	SENNA, Alex 150 lb cases.....	.10	: .11
Oilbanum Gum, sift 280 lb cases..	.12	: .12 1/2	Poppy seeds, Dutch, bags.....	...	: .07 1/2	Half Leaf, 350 lb bales.....	.14	: .14 1/2
Tears, 280 lb cases.....	.22	: .23	German, bags.....	...	: .09 1/2	Siftings, 400 lb bales.....	.05	: .07
No. 1, all white 280 lb cases...	12.00	: 12.00	Turkish, bags.....	...	: .08 1/2	Powdered, 200 lb bbls.....	.08	: .09
Opium, gum, USP, cases.....	13.00	: 14.00	Blue Indian, bags.....	...	: .16	Pods, 350 lb bales.....	.85	: .86
Granular, cases.....	13.00	: 14.00	White Indian, bags.....	...	: .20	Serpentaria Root, bags.....	.77	: .79
Powdered, USP, cases.....	.80	: 1.00	Prickly Ash Bark, Southern, bags.	...	: .07	Shellac, D.C., bags.....	.77	: .79
Orange Flowers, cases.....	.07 1/2	: .08 1/2	Northern, bags.....	...	: .06	V.S.O. bags.....	.77	: .79
Orange Peel, bitter, bags.....	.11	: .12	Prickly Ash Berries, bags.....	...	: .14	Diamond I, bags.....	.66	: .67
Sweet, bags.....	.07	: .08	Prince's Pine, bales.....	...	: .25	Supreme, Orange, bags.....	.65	: .66
ORRIS ROOT Florentine bold bags..	.09	: .09 1/2	Pulsatilla Herb, bags.....	...	: .16	Fine, bags.....	.62	: .63
Powdered, 200 lb bbls.....	.06	: .06 1/2	Pumpkin Seed, bags.....	...	: .18	T.N., bags.....	.57	: .58
Verona, bags.....	.07 1/2	: .09	QUASSIA CHIPS, bags.....	...	: .07 1/2	Garnet, A. C.....	.74	: .75
Powdered, 200 lb bbls.....	.50	: .55	Queen of the Meadow Herb, bags..	...	: .70	Button, bags.....	.61	: .63
Fingers, cases.....	.22	: .24	Quince Seed, bags.....	...	: .05	Bleached, ground, bbls.....	.72	: .74
Ozokerite Wax, brown hard bags..	.37	: .38	HAPE SEED, South Amer. bags..	...	: .05 1/2	Bones Dry, bbls.....	.07	: .08
Green, hard bags.....	...	: ...	Dutch, bags.....	...	: .08 1/2	Simaruba Bark, bales.....	.15	: .18
Refined, yellow bags.....	.18	: .24	Japanese, small, bags.....	...	: .56	Sideritis Herb, cut bags.....	.65	: .70
PAPRIKA, bags.....	.24	: .25	Raspberries, dried boxes.....	...	: .17	Skullcap Leaves, Eastern, bales..	.34	: .38
Hungarian.....	.13	: .14	Red Saunders.....	...	: .09	Western, bales.....	.03	: .04
Parilla Brava Root, bags.....	.13	: .14	Rhatany Root, bags.....	...	: .35	Sloe Berries, bags.....	...	: ...
Parilla Seed, bags.....	.09	: .10	RHUBARB, Root, H.D., cases....	...	: .40
...	Powdered, 200 lb bags.....	...	: .04 1/2
...	Rosemary Leaves, bales.....	...	: .05

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Snake Root, Canada natural bags..lb	.45	.50
Stripped, bags.....lb	.50	.65
SOAP BARK, whole, 150-200 lb		
bales.....lb	.08	.08½
Cut, 125-175 lb bags.....lb	.09¼	.10
Crushed, 200 lb bbls.....lb	.10	.10½
Powdered, 200 lb bbls.....lb	.12	.13
Spear-mint Leaves, American bales..lb	.15	.22
Spermaceti, blocks, cakes, cases..lb	.43	.45
Spikenard Root, bags.....lb	.23	.24
Spruce Gum, boxes.....lb	1.00	1.50
Squaw Vine, bales.....lb	.18	.20
Squilla, white.....lb	.04½	.05
Powdered, bulk.....lb	.35	.40
Stavensere Seed, bags.....lb	..	..
Sticklac, Siam, 250 lb bales.....lb	.44	.46
Stillingia Root, bags.....lb	.11½	.12
Stone Root, bags.....lb	.09	.10
Storax, liquid artif.....lb	.70	.75
Gen USP.....lb	.90	1.00
St. Ignatius Beans, bags.....lb	.12	.13
St. John's Bread, bags.....lb	.03	.05
Stramonium Leaves, bales.....lb	.06½	.07½
Stramonium Seed, bags.....lb	.13	.13
Strophanthus Seed, Hissidus.....lb	.42	.44
Kombe, bags.....lb	.43	.45
Sunflower Seed, domestic bags.....lb	.06	.06½
South American, bags.....lb	.05	.05½
TAGALDER BARK, bags.....lb		
Famarinds, bbls.....lb	.05½	.06
Kops.....per keg	..	8.50
Pansy Herb, bales.....lb	.18	.19
Tar, Barbadoes, 50 gal. bbls.....gal	1.40	1.50
Thus Gum, 280 lb bbls.....lb	..	..
Thyme, Spanish bales.....lb	.05½	.06½
French, bales.....lb	.10½	.11
Tilia, see Linden	..	..
Tolu Balsam, see Balsam	..	..
Tonga Bark, bags.....lb	.27	.29
Tonka Beans, Angostura, cases.....lb	2.15	2.25
Para, cases.....lb	.75	.80
Surinam, cases.....lb	..	..

Tragacanth Gum, No. 1, ribbon	1.15	1.20
180 lb. ca.....lb	..	..
No. 2 to No. 6, cases.....lb	.90	1.10
Powdered, 50 lb boxes.....lb	.80	.82
Turkish, cases.....lb	.70	.85
Turmeric Root, Madras bags.....lb	.12¾	.13
Aleppu, bags.....lb	.11	.11½
Powdered.....lb	.12	.13
China, bags.....lb	.09	.09½
Turpentine, Venice, true 80 lb ca..lb	.15	.16
Artificial, 80 lb cases.....lb	.11	.13
Spirits, see Naval Stores	..	..
UNICORN ROOT, false, see Heloni		
True, see Aletris	..	..
Uva Ursi Leaves, bales.....lb	.04½	.05
VALERIAN ROOT, Belgian bags..lb	.10½	.11
Vanilla Beans Mex. whole cases..lb	11.00	12.50
Cuts, cases.....lb	9.00	10.00
Bourbon, cases.....lb	9.00	10.00
South American, cases.....lb	..	..
Tahiti, yellow label cases.....lb	7.00	7.50
Green Label, cases.....lb	..	..
Vetiver Root, 100 lb bags.....lb	.25	.26
Violet Flowers, bags.....lb	.80	.85
Wahoo, of root bags.....lb	.85	.90
Of Tree, bags.....lb	.40	.42
White Pine Bark, rounded, bags..lb	.07½	.08
White Poplar Bark, bags.....lb	.06	.07
Wild Cherry Bark, thin green	..	..
Rosced, bales.....lb	.12	.13
Thick Rosced, bales.....lb	.08	.09
Thin Natural, bales.....lb	.08½	.09½
Thick Natural, bales.....lb	.05	.06
Willow, bark bags.....lb	..	.06
White, bags.....lb	..	.15
Witch Hazel Bark, bags.....lb	.07	.08
Witch Hazel Leaves, bales.....lb	.07½	.08
Worm Seed, American bags.....lb	.08½	.09
Lavanti, bags.....lb	2.75	4.00
Wormwood Herb, imported bales..lb	.10	.10
Yacca Gum, red.....lb	.04	.04½
Ground.....lb	.05½	.06½
YELLOW DOCK ROOT, bags.....lb	.12	.14
Yellow Parilla Root, bags.....lb	.16	.17
Yerba Santa, bags.....lb	.09	.09½
Zedoary Root, bags.....lb	.11	.12

Essential Oils

Almond Bitter USP, 5 lb bot.....lb	3.15	3.25
Bitter of PA 5 lb bots.....lb	3.25	3.50
Sweet, 56 lb cans.....lb	.60	.65
Peach Kernel, 55 lb tins.....lb	.24	.25
Apricot, see Peach Kernel		
Amber, crude 25 lb tins.....lb	.70	.75
Rectified, 25 lb tins.....lb	.85	.90
Angelica Root, 1 lb bot.....lb	32.00	36.00
ANISE, Tech, 66 lb case.....lb		
USP, 50 lb tins.....lb	.52½	.54
Bay, 25 lb tins.....lb	.220	.230
Bergamot, 25 lb coppers.....lb	3.40	3.70
Artificial, 25 lb cans.....lb	2.20	2.35
Birch Tar, rect. 5 lb bot.....lb	.75	.80
Crude, 50 lb tins.....lb	.30	.50
Ros de Rose, 25 lb tins.....lb	4.75	5.25
Cade, 25 lb cans.....lb	.35	.40
Cajuput, native, 50 lb tins.....lb	.75	.80
Calamus, 5 lb bot.....lb	4.20	4.65
Camphor, heavy, 1000 lb drums..lb	.14½	.15
Japanese, white, 72 lb cases.....lb	.14	.14½
White, 1000 lb drums.....lb	.13½	.14
Cananga, native 25 lb tins.....lb	2.00	2.25
Rectified, 25 lb tins.....lb	2.50	3.00
Caraway, USP.....lb	3.35	3.50
Cardamom, USP, 1 lb bot.....lb	28.00	30.00
Carvol, 5 lb bot.....lb	11.00	12.00
CASSIA, 80-85 p.c. 400 lb drum.....lb		
Redistilled, USP, 50 lb cans..lb	2.75	2.90
Cedar Leaf, 50 lb tins.....lb	.90	1.00
Cedar Wood, light 1000 lb drums..lb	.75	.85
Celery, 1 lb bot.....lb	10.00	11.00
Chaulmoogra, 80 lb cases.....lb	.85	.90
Cinnamon, Ceylon, 1 lb bot.....lb	11.00	12.50
Leaf, 5 lb bot.....lb	1.40	1.50
CITRONELLA, Ceylon		
1000 lb drums.....lb	.73	.80
50 lb tins.....lb	.76	.83
Java, 400 lb drums.....lb	1.50	1.60
50 lb tins.....lb	2.00	2.10
Cloves, USP, 50 lb cans.....lb	1.95	2.00
6 lb bot.....lb	2.05	2.10

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Copaba, USP, 50 lb tins.....	lb	.40	: .42
Corraner, USP, 5 lb bot.....	lb	11.23	: 11.75
Cotton, USP, 25 lb tins.....	lb	.95	: 1.00
Cubeta, USP, 5 lb bot.....	lb	4.75	: 5.00
Cumt., 1 lb bot.....	lb	11.50	: 12.00
Dill, 1 lb bot.....	lb	4.25	: 4.50
Erigeron, 20 lb tins.....	lb	1.55	: 1.60
EUCALYPTUS, Austl. USP			
50 lb cs.....	lb	.59	: .62
500 lb drums.....	lb	.57	: .59
Fennel, USP, 25 lb tins.....	lb	.90	: 1.10
Geranium, Algerian, 25 lb tins.....	lb	7.25	: 8.50
Bourbon, 25 lb tins.....	lb	7.00	: 8.50
Turkish, 28 lb tins.....	lb	4.25	: 4.50
Ginger, 1 lb bot.....	lb	9.00	: 10.00
Gingergrass, 28 lb tins.....	lb	2.75	: 3.00
Hemlock, 50 lb cans.....	lb	.52	: .85
Juniper Berries, USP, 25 lb tins.....	lb	1.25	: 1.30
Steele, 50 lb cans.....	lb	3.50	: 4.00
Lavender, USP, 25 lb tins.....	lb	.85	: 1.25
Native Spanish, 50 lb cans.....	lb	.83	: 1.30
LEMON, Ital. USP, 25 lb tins.....	lb	.88	: 1.00
American, USP, 25 lb tins.....	lb	.75	: .80
Lemongrass, native, 50 lb cans.....	lb	.95	: 1.10
Limes, Express, 25 lb tins.....	lb	2.25	: 2.35
Distilled, 25 lb tins.....	lb	1.05	: 1.10
Linaloe, Mex 80 lb cases.....	lb	3.40	: 3.60
Mace, distilled, 50 lb tins.....	lb	1.45	: 1.50
Mirbane, ref. see Ar. Chemicals			
Mustard, USP, 1 lb bot.....	lb	8.00	: 14.00
Artif. USP, 1 lb bot.....	lb	8.00	: 8.25
Neroli, Bigarade, 1/2 & 1 lb bot.....	lb	40.00	: 60.00
Nettle, 1 lb bot.....	lb	90.00	: 120.00
Perfoliate, 1 lb bot.....	lb	10.00	: 25.00
Orange, USP, 25 lb tins.....	lb	1.45	: 1.50
Orange, bitter 25 lb tins.....	lb	2.60	: 2.75
Sweet, W. Ind., 25 lb tins.....	lb	2.50	: 2.60
Italian, 25 lb con.....	lb	2.70	: 2.90
American, 25 lb tins.....	lb	2.75	: 2.80
Distilled, 25 lb tins.....	lb	1.50	: 1.75
Spanish, 25 lb tins.....	lb	2.45	: 2.60
Origanum, 50 lb cans tech.....	lb	.30	: .35
Parsley, 1 lb bot.....	lb	3.50	: 4.00
Patchouli, 5 lb bot.....	lb	4.50	: 5.50
Pennyroyal, dom. 25 lb tins.....	lb	2.00	: 2.15
Imported, 25 lb tins.....	lb	1.60	: 1.75
PEPPERMINT, 50 lb 80 lb cases.....	lb	6.00	: 6.75
Redist. USP, 50 lb cases.....	lb	7.00	: 7.25
Petit Grain, S. Am., 25 lb tins.....	lb	1.90	: 1.95
French, 1 lb bot.....	lb	7.00	: 8.00
Italian, 25 lb tins.....	lb	2.25	: 2.35

Pimento, 25 lb tins	2.25	2.35
Pine Sylyvestris, 25 lb tins	...	1.40
Pinos, USP, 50 lb cans	...	2.25
Pinus Fr. 8, 16 & 32 oz pkgs.	...	2.00
Bulg. 8, 16 & 32 oz pkgs.	...	3.00
Artificial, 1 lb bot.	8.00	9.00
Rosemary, USP, 27 1/2 lb. tins	.42	.46
1000 lb drums	.35	.40
Tech. 27 1/2 lb. tins	.33	...
Rue, 1 lb bot.	...	4.25
Sandalwood, E. Ind. USP, 70 lb cases	6.15	6.25
W. Indian, (Angrisy) 25 lb tins	2.80	2.90
Sassafras, USP, 50 lb cans	1.30	1.35
Artificial, 1000 lb drs., 60 lb cans	.34	.36
Savin, 5 lb tins	2.25	2.40
Spearmint, USP, 60 lb cans	3.55	3.65
Spruce, 50 lb tins	.82	.85
Tanzy Amer., 26 lb tins	2.75	3.00
Tar, 50 gal. bbls.	.25	.26
Refined, USP 25 lb tins	...	...
Thyme, red, USP, 25 lb tins	.85	1.00
White, USP, 25 lb tins	1.00	1.10
Tech., 110 lb drums	.30	.35
Vetiver, Bourbon 1 lb bot.	12.00	14.00
Java, 1 lb bot.	30.00	32.00
Wine, heavy 1 lb bot.	...	1.50
WINTERGREEN		
Sweet herb, 25 lb tins	2.50	3.00
Southern, 25 lb tins	1.85	2.00
Gaultheria, true 25 lb tins	7.00	8.00
Southern, 25 lb tins	3.75	4.00
Synthetic, USP, 50 lb cans	...	.47
Wormseed, Balk., USP, 25 lb tins	4.20	4.50
Wormwood, dom., 25 lb tins	3.65	3.75
Ylang Ylang, Bourbon 10 lb tins	...	...
No. 1	6.00	8.00
No. 2	5.00	6.00
Manilla, 1 lb bot.	28.00	40.00
Artificial, 1 lb bot.	10.00	12.00
OLEORESINS		
Apidium, USP, 1 lb bot.	2.75	3.00
Capidium, USP, 5 lb bot.	2.50	2.75
Guiger, 5 lb bot.	3.35	3.60
Cubeb, USP, 1 lb bot.	4.30	4.75
Maferero, See Apidium	...	...
Orris 1 lb bot.	15.00	18.00
Pepper, black, USP, 1 lb bot.	3.50	4.00
Vanilla, 1 lb bot.	22.50	25.00

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb. bot.	.....	1.25	: 1.75
Borneol, 1 lb. bot.	.....	.....	: 3.50
CITRAL, 25 lb. cans.	.....	2.75	: 3.00
Citronellal, 1 lb. bot.	.....	2.50	: 3.00
EUCALYPTOL, USP, 25 lb. cans.	.....	.....	: .80
Eugenol, USP, 25 lb. cans.	.....	3.25	: 3.50
Geraniol, Domestic, 50 lb. cans.	.....	2.75	: 3.50
Imported, 5 lb. bot.	.....	5.00	: 4.25
Isa-Eugenol, 1 lb. bot.	.....	4.50	: 5.00
Imported	.....	5.25	: 6.25
Linalol, 5 lb. bot.	.....	6.25	: 7.50
From Rois de Rose, 5 lb. bot.	.....	11.00	: 12.75
MENTHOL, 25 lb. cans.	.....	.....	: 14.50
..... cases, 5 lb. cans.	.....	.....	: 14.75
Rhodinol, 1 lb. bot.	.....	18.00	:
Extra, 1 lb. bot.	.....	40.00	: 47.00
SAFROL, 25 lb. cans.	.....	.....	: 47
Thymol, USP, 25 lb. tins.	.....	5.50	: 6.00

SYNTHETIC AROMATICS

Acetaldehyde, 50% soln. pure, 5 lb. bot.	1.75	: 2.00
Acetophenone, 1 lb. bot.	1.75	: 2.00
Aldehyde C-8 (Octyl), 1 lb. bot.	45.00	: 60.00
Aldehyde C-9 (Nonyl), 1 lb. bot.	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb. bot.	50.00	: 58.00
Aldehyde, C-12 (Dodecyl), 1 lb. bot.	27.50	: 32.50
Aldehyde, C-14, 1 lb. bot.	22.50	: 25.00
Aldehyde, C-16, 1 lb. bot.	70.00	: 80.00
Alubepine, see Anisole Aldehyde		
Amyl Acetate, pure 5 gal. cans. gal.	4.00	: 4.25
Amyl Butyrate, 1 lb. bot.	1.75	: 2.00
Amyl Cinnamate, 1 lb. bot.	4.00	: 4.50
Amyl Formate, 1 lb. bot.	1.50	: 1.75
Amyl Phenyl Acetate, 1 lb. bot.	4.50	: 5.00
AMYL SALICYLATE, dom. 100 lb. chys.	1.45	: 1.50
Imported, 100 lb. chys.	2.25	: 2.50
Amyl Valerate, 1 lb. bot.	4.75	: 5.00
Anisole Aldehyde, 1 lb. bot.	3.75	: 4.25
BENZALDEHYDE, USP, 40 lb. chys.	1.40	: 1.60
FFC, 40 lb. chys.	1.50	: 1.65
Benzate Ethyl, see Ethyl Benzoate		
Benzophenone, 1 lb. bot.	6.75	: 7.00
Benzyl Acetate, 100 lb. chys.	1.55	: 1.75

OLEORESINS

Aspidium, USP, 1 lb bot.....	lb	2.75	: 3.00
Capiteum, USP, 5 lb bot.....	lb	2.50	: 2.75
Gliger, 5 lb bot.....	lb	3.35	: 3.60
Cubeb, USP, 1 lb bot.....	lb	4.50	: 4.75
Malefern, See Aspidium			
Orris 1 lb bot,	lb	15.00	: 18.00
Pepper, black, USP, 1 lb bot....	lb	3.50	: 4.00
Vanilla, 1 lb bot.....	lb	22.50	: 25.00

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Benzyl Alcohol, 5 lb bot.....	1.45	: 1.55	Iso-Butyl Benzoate, 5 lb bot.....	4.75	: 5.00	Skatol, 1 oz. bot.....	7.00	: 7.25
BENZYL BENZOATE, 5 lb bot.....	1.60	: 1.75	Iso-Safrol, 1 lb bot. Imported.....	5.00	: 5.25	Terpinyl Acetate, 25 lb cans.....	1.65	: 1.85
Medicinal PFC.....	1.75	: 2.00	Domestic, 5 lb bot.....	4.00	: 4.25	Imported, 25 lb cans.....	1.90	: 2.20
Benzyl Butyrate, C.P., 1 lb bot.....	5.50	: 6.00	Linyl Acetate, 1 lb bot. Dom.....	8.00	: 9.50	TERPINEOL, CP, 1000 lb drums.....	.48	: .50
Benzyl Cinnamate, 1 lb bot.....	10.00	: 10.50	Imp., 1 lb bot.....	8.00	: 8.50	Cans, 50 lb.....	.53	: .57
Benzyl Formate, 1 lb bot.....	3.00	: 3.25	Linyl Benzoate, 1 lb bot.....	13.00	: 14.00	Absolute, 25 lb cans.....	.90	: 1.15
Benzyl Propionate, 1 lb bot.....	5.00	: 5.25	Linyl Formate, 5 lb bot.....	10.50	: 12.00	Imported, 25 lb cans.....	.50	: .75
Boreryl Acetate, 1 lb bot.....	3.00	: 3.50	Methyl Acetophenone.....	4.75	: 5.00	VANILLIN, USP, 500 oz. cans.....	..	: .49 1/4
Bromostyrol, 25 lb kgs.....	3.00	: 4.00				Cans, 16 oz., 80 oz. ....	.50	: .51
Butyl Anthranilate, 1 lb bot. dom.....	..	: 16.00				Second Hands.....	.47	: .50
Butyric Ether, See Ethyl Butyrate			METHYL ANTHRANILATE dom.,			Valerianic Ether, See Ethyl Valerate		
Cinnamic Acid, 5 lb cans.....	3.00	: 3.25	1 lb bot.....	2.75	: 3.25	Yara Yara, 1 lb cans.....	1.75	: 2.00
Cinnamic Alcohol, Liquid 1 lb bot.....	9.00	: 9.50	Imported.....	4.50	: 5.00			
Crystallizable.....	9.50	: 10.00	Methyl Benzoate, 5 lb bot. import.....	2.00	: 2.25			
Cinnamic Aldehyde.....	3.50	: 3.75	Domestic, 5 lb bot.....	1.75	: 2.00			
CITRONELLOL, 1 lb bot.....	9.00	: 11.00	Methyl Cinnamate, 1 lb bot.....	3.50	: 3.75			
Imported, 1 lb bot.....	10.00	: 12.00	Methyl Heptenone, 1 lb bot.....	8.00	: 8.25			
Citronellyl Acetate, 1 lb bot.....	13.00	: 14.00	Methyl Paracresol, 1 lb bot.....	8.00	: 9.00			
			Methyl Phenylacetate, 5 lb bot. dom.....	3.75	: 4.00			
COUMARIN, 25 lb cans.....	3.25	: 3.45	METHYL SALICYLATE, USP 500 lb					
DIETHYL PHTHALATE, 25 lb cans.....	.40	: .45	drums.....	..	: .45			
1000 lb drs.....	.35	: .40	50 lb cans.....	..	: .47			
Diphenyl Oxide, 25 lb tins.....	.85	: .90	Second Hands.....	.44	: .45			
Ethyl Acetate, pure, 5 lb bot.....	.45	: .50						
Ethyl Benzoate, 5 lb bot.....	1.85	: 2.00	Mirbane, rect., 1000 lb drums.....	12 1/2	: 14			
Ethyl Butyrate, 5 lb bot.....	1.75	: 2.00	Musk Ambrette, 1 lb cans.....	12.00	: 13.00			
Ethyl Caproate, 1 lb bot.....	3.25	: 3.50	Musk Ketone, 1 lb cans.....	15.00	: 16.00			
Ethyl Cinnamate, 1 lb bot.....	3.50	: 3.75	Musk Xylene, 5 lb cans.....	3.75	: 3.90			
Ethyl Formate, 5 lb bot.....	2.00	: 2.10	Nerolin, 1 lb cans.....	1.65	: 2.00			
Ethyl-methyl Paracresol, 1 lb bot.....	3.25	: 3.50	Geranathic Ether, 1 lb bot.....	1.50	: 2.00			
Ethyl Phenylacetate, 5 lb bot.....	3.75	: 4.00	Phenylacetaldehyde, Dom.,					
Ethyl Propionate, 1 lb bot.....	2.25	: 2.50	1 lb. bot. 50 p.e.....	8.00	: 8.50			
Ethyl Valerate, 5 lb bot.....	4.50	: 4.75	Imported, 50 p.e.....	7.50	: 8.00			
Ethyl Salicylate, 5 lb bot.....	3.25	: 3.50	50-85 p.e.....	14.00	: 16.00			
Formic Ether, See Ethyl Formate			Phenylacetic Acid, 1 lb bot.....	3.00	: 3.25			
Geranyl Acetate, 1 lb bot.....	5.00	: 5.50	Phenyl Diacetate, 1 oz. bot.....	3.25	: 3.50			
Geranyl Butyrate, 1 lb bot.....	13.00	: 13.50	PHENYLETHYLALCOHOL dom.,					
Geranyl Formate, 1 lb bot.....	12.00	: 12.50	1 lb bot.....	8.00	: 10.00			
Heliotropin, dom., 100-10 lbs.....	1.85	: 2.00	Imported.....	7.00	: 7.75			
Imported.....	2.25	: 2.50	Phenylethyl Butyrate, 1 lb bot.....	26.00	: 28.00			
Hydroxycitronellal, 1 lb bot.....	12.00	: 14.00	Phenylethyl Formate, 1 lb bot.....	19.00	: 21.00			
Indol, CP, 1 oz. bot.....	6.00	: 6.50	Phenylethyl Propionate, 1 lb bot.....	20.00	: 24.00			
Iosone, 1 lb bot. 100%.....	10.00	: 11.00	Phenylethyl Valerate, 1 lb bot.....	25.00	: 29.00			
Alpha.....	14.50	: 16.00	Phenylpropylalcohol, 1 lb bot.....	15.00	: 16.00			
Beta.....	12.75	: 14.50						
Methyl.....	16.00	: 18.00						

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- VANILLA BEANS—15 cs.**, Bk. of N. Y. & Trust Co., Havre.
- WAX—3 bgs.**, E. A. Canalizo & Co., Sanchez; 18 sks., Mecke & Co., Azua; 6 bgs., Yglesias & Co., Azua; 6 bgs., Yglesias & Co., Samana; **Bees**, 40 bgs., Order, Antilla; 20 cs., Order, St. Nazaire; 3 bgs., Selma Merc. Corp., Azua; 7 bgs., W. Schall & Co., Santo Domingo; 4 seroons, J. J. Julia & Co., Monte Cristi; 34 bbls., Ponds Extract Co., Rotterdam; **Mineral**, 40 bgs., L. S. Tainter, Hamburg; **Paraffin**, 800 bgs., Order, London; **Spermaceel**, 100 cs., Order, Glasgow.
- WHITE LEAD—3 cks.**, 50 kgs., J. L. Smith & Co., London.
- WHITING—1,000 bgs.**, Nat. City Bk., Antwerp.
- WINE LEES—2,693 bgs.**, Royal Bkg. Powder Co., Buenos Aires.
- WITHERITE—1,000 bgs.**, R. W. Greeff & Co., Newcastle; 250 bgs., Order, Newcastle.
- WOODEFLOUR—1,500 bgs.**, B. L. Soberski, Christiania.
- WOOL GREASE—100 bbls.**, Pfaltz & Bauer, Bremerhaven.
- ZINC—Oxide**, 5 cs., Philipp Bros., Antwerp; **White**, 25 bbls., Order, Marseilles.

IMPORTS AT PHILADELPHIA Oct. 22 to 29

ACID—Formic, 154 demijohns, Am. Exch. Nat. Bank, Hamburg
BARIUM CHLORIDE—65 bbls., Order, Antwerp
CELLULOSE SULFATE—1,500 lbs., Lagerloef

J.L. PHILIPPEAU

Sodium Silicate

246 WATER ST. NEW YORK

Pure U. S. P. Cologne Spirits

ALCOHOL

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Spot Stocks Carried
in 10 Large Cities

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INCORPORATED

CINCINNATI, OHIO, U. S. A.

Trading Co., Kotha; 897 bbls., Order, Hel-singfors
GLYCERIN—150 drums, Order, Hamburg
MAGNESIUM CHLORIDE—181 drums, Brown Bros. & Co., Hamburg
POTASH—1,042 bags, Societe Commercial des Potasses D'Alsace, Antwerp; **Caustic**, 220 drums, Am. Exch. Nat. Bk., Hamburg; 75 drums, Parsons & Petit, Hamburg; 200 drs., Superfos Co., Hamburg
SAL AMMONIAC—38 casks, Mechanics & Metals Nat. Bank, Hamburg
SODIUM—Bromide, 50 cs., Bank of America, Hamburg; 100 cases, Nat. American Bank, Hamburg; **Prussiate**, 21 casks, C. Tennant Son & Co., Liverpool

IMPORTS AT BALTIMORE

Oct. 23 to 30

CLAY—148 tons, Moore & Munger, New York; Kerhonksen, Bristol; 119 tons, John Richardson Co., Kerhonksen, Bristol; 75 tons, John Richardson Co., Kerhonksen, Bristol; 201 tons, Moore & Munger, New York, Vittorio Emanuele III., Manchester
CREOSOTE TAR—One drum, Samuel Shapiro & Co., Valemore, Liverpool
GLUE BONES—Crushed, 672,353 lbs., F. H. Shallus Co., Liberty Glo, La Plata
GUANO—Whale, 639 bags, Ashcroft Wilkinson Co., New York, Valemore, Liverpool
POTASH—Kieserit, 234,148 lbs., F. H. Shallus Co., Hornfels, Bremen; **Manure Salt**, 20%, 805,778 lbs., Potash Importing Corp., Hornfels, Bremen; 30%, 100 tons, Potash Importing Co., Hornfels, Bremen; **Muriate**, 1,000 bags, Potash Importing Corp., Hornfels, Bremen; 1,000 bags, Potash Importing Corp., Hornfels, Bremen
SALT—250 sacks, W. A. Hazard & Co., Valemore, Liverpool
SODA—Nitrate, 72,310 bags, 12,100,000 lbs., Wessel, Duval & Co., Atlantic, Iquique

IMPORTS AT BOSTON

Oct. 25 to Nov. 1

ACID—Formic, 80 gal., International Accept. Bank, Hamburg; **Oxalic**, 92 casks, Seaboard Nat. Bank, Hamburg
BARIUM NITRATE—15 bbls., Order, Hamburg
CASEIN—417 bags, Nat'l City Bank, Buenos Aires; 150 bags, Order, London; 834 bags, Bank of Manhattan, Buenos Aires; 417 bags, Bank of Manhattan, Buenos Aires
CHALK—2,000 bags, Reichard Coulston, London; 500 tons, Order, London
COLORS—23 cs., Order, Hamburg
EPSOM SALT—200 bags, Brown Bros. Co., Hamburg; 500 bags, Order, Hamburg
ETHER—20 cases, Baldwin Universal Co., Hamburg
EXTRACTS—Gambier, 78 bags, Order, Fat East; **Quebracho**, 2,000 bags, International Prods. Co., Buenos Aires
GLAUBER'S SALT—239 bbls., First Nat'l Bank of Boston, Hamburg
IRON—Chloride, 100 bbls., Hans Hinrichs, Hamburg; **Oxide**, 10 casks, Order, Manchester
OILS—Cod, 70 casks, Carter Hide Co., Halifax; 252 casks, J. S. Bent, St. Johns; 100 casks, F. W. Damon, St. Johns; 375 casks, Order, St. Johns; **Pa'm**, 588 casks, Irving Bank-Columbia Trust Co., West Africa
POTASH—Muriate, 10,000 bags, Potash Import. Co., Hamburg; 3,350 bags, Order, Hamburg; **Nitrate**, 98 bbls., Order, Hamburg; **Sulfate**, 750 bags, Potash Import. Co., Hamburg
SODIUM—Chlorate, 200 kegs, Order, Hamburg; 150 drums, Seaboard National Bank, Hamburg; **Hypophosphite**, 200 cases, Order, Hamburg
WOOL GREASE—750 casks, Brown Bros. Co., Hamburg
ZINC OXIDE—75 casks, Mechanics & Metal Nat. Bank, Hamburg

IMPORTS AT NEW ORLEANS

Oct. 24 to 31

FERTILIZER—1,030 bags, Order, Switzerland
SODIUM NITRATE—47,755 bags, W. R. Grace & Co., Iquique
SPICES—Cinnamon, 250 bales, Order, Porto Rico; **Mustard**, 500 lbs., Order, Holland

IMPORTS AT SAN FRANCISCO

Oct. 18 to 25

ACID—Phosphoric, 17 cases, Order, Hamburg
ALUM—133 bbls., Order, Hamburg
AMMONIUM—Chloride, 15 casks, Order, Hamburg
ANTIMONY—Regulus, 150 cases, Order, Shanghai
CASSIA—30 cases, Order, Hongkong
COPRA—1,201,194 lbs., Order, Cebu; 315,038 lbs., Order, Zamboanga
LIME—Chloride, 88 drums, Meyer, Wilson & Co., Hamburg
MAGNESIUM—Chloride, 193 casks, Anglo-London, Paris National Bank, Hamburg
OIL—Coconut, 559.9 tons, Procter & Gamble Co., Manila; **Codfish**, 35 bbls., Order, Kobe; **Wood**, 150 bbls., Order, Shanghai; and 270 tons, Order, Hankow
OXIDE—Potash, 8 drums, Order, Hamburg
POTASSIUM—Salts—Caustic, 109 drums, Order, Hamburg; 200 drums, American Exch. National Bank, Hamburg; 25 drums, Roessler & Hasslacher Chemical Co., Hamburg; **Pruss'ate**, 10 kegs, Order, Hamburg
SODA—Hyposulphite, 200 kegs, Order, Copenhagen; **Nitrate**, 19,823 bags, W. R. Grace & Co., Antofagasta
SPICES—Cinnamon, 600 bales, Order, Colombo; 300 bales, D. Hecht & Co., Colombo; 50 bales, B. C. Ireland, Colombo; **Ginger**, 1 cask, Order, Hongkong; **Pimento**, 25 bags, Colonial Bank, Cristobal
TAPIOCA—700 bags, Order, Samarang
WAX—Paraffine, 800 bags, Order, Sourabaya
ZINC—Chloride, 3 drums, Order, Hamburg

FRASCH MILLIONS GO TO CHEMICAL WORK

The will of Elizabeth B. Frasch, widow of Herman Frasch, who invented the Frasch method of mining sulfur, was filed in the New York County Surrogate's Court, on Thursday, Oct. 30. The will provides that the entire estate, valued at several million dollars, shall be devoted to research in the field of chemical agriculture. The provision reads:

"All the residue of my real and personal property, I give, devise and bequeath to the United States Trust Company, 43 Wall st., New York, in trust, having for the purpose to use the fund for chemical research, which fund shall be known as the Henry Frasch Foundation for Chemical Research. I direct that such trustee shall hold, manage, invest and reinvest said fund, collect rents, issues and profits thereof, and after paying proper charges and expenses, pay over the net income therefrom to one or more incorporated institutions in the United States which shall be selected by the said trustee after

advising with the American Chemical Society, upon the condition that the said institutions shall agree that the money so received shall be devoted to research in the field of agricultural chemistry with the hope of attaining results which shall be of practical benefit to the agricultural development of the United States."

Herman Frasch died in Paris ten years ago. He worked with John D. Rockefeller as chemist for the Standard Oil Co. and discovered a process for taking sulfur out of the ground, which earned him a large fortune. He carried on his operations through the Union Sulphur Co. Mrs. Frasch died on Sept. 24 in Paris, at the home of her daughter, Countess Frieda Frasch Constantini.

E. I. du Pont de Nemours & Co. announce the development of a new radio panel. Tests have been conducted at the Cruft high tension laboratory at Harvard University.

ACETONE, C. P.

Highest quality. Available for immediate shipment in tank cars or drums at a price no higher than material of inferior quality.

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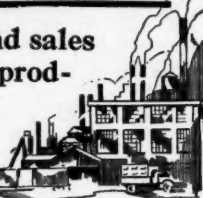
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PLANTS:—Terre Haute, Ind. and Peoria, Ill.

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Potassium Sodium Ammonium

Manufactured by

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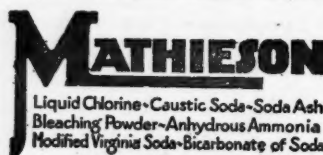
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Soda Ash, Caustic Soda, Neutral
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Cleanser, Bicarbonate of Soda,
Tri Sodium Phosphate, Oxalic
Acid.

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Bleaching Powder—Anhydrous Ammonia
Modified Virginia Soda—Bicarbonate of Soda

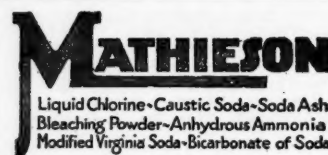
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Nitrate)
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Potassium Sodium Ammonium

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Infusorial Earth

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**YOUR card here stamps you as headquarters in
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Three inches, \$75, three months

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CRYSTALLIZED

99.97% Carbamide
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Melting-point 132° C.
Alkalinity:—only 20 in a million

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Liquid Chlorine-Caustic Soda-Soda Ash
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Oils—Acids—Chemicals
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Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
 3 Park Place, New York.

BUSINESS OPPORTUNITIES

EXPORT, ARGENTINE REPUBLIC—Argentinian who has resided for several years in the U. S. is returning to Buenos Aires, to open office as Direct Factory Representative, and would like to connect himself with reliable and progressive manufacturers of chemicals for the sugar industry. Reference, etc. R. Suite 419, 45 E. 17th St., New York City.

WANTED—Established line of essential oils and aromatic chemicals by capable and experienced representative for Midwest territory. Headquarters in Chicago with facilities for carrying stock. Box 216, DRUG & CHEMICAL MARKETS.

ONE STORY NEW BRICK BUILDING in Bronx, corner 100 x 100 semi-fireproof, 10,000 square feet, six skylights, exceptionally light, steam heat, hot water supply, three blocks from subway station, sale or lease, good terms. Box 55, Station A, New York.

BUYING SERVICE, Practical technical expert in the buying industry considers opening a buying office for mills in Boston January 1923 and will be able to receive the inquiries of firms interested in securing through him an expert buying service on dyestuffs, colors, soaps, oils, etc. Can be demonstrated that such a service will save money for any medium sized mill. Box 217, DRUG & CHEMICAL MARKETS.

FOR RENT—Office space on John Street, New York, with telephone and stenographic service. Room sufficient for two desks. Box 218, DRUG & CHEMICAL MARKETS.

WANTED TO BUY—A small plant between New York and Philadelphia, suitable for the manufacture of cosmetics. Must be close to a railroad siding but not absolutely necessary—although desirable. Fire-proof construction and at least 4,000 square feet. Box 219, DRUG & CHEMICAL MARKETS.

NEWLY FORMED CHEMICAL CORPORATION whose members have had many years experience in the selling of chemicals and allied products to the consuming trade, is interested in making arrangements to represent reliable concerns interested in having New York representatives. Box 211, DRUG & CHEMICAL MARKETS.

CHEMICAL MANUFACTURER wants to rent about 10,000 square feet in a non-restricted zone. Steam required. Box 213, DRUG & CHEMICAL MARKETS.

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OILS AND GREASES—Experienced live-wire salesman, knows Eastern territory, A 1 sales record, references as to ability and character, winning personality, open for engagement. Box 198, DRUG & CHEMICAL MARKETS.

PURCHASING AGENT—Man thoroughly familiar with drugs, chemicals, oils, botanicals, pharmaceuticals, allied lines; well acquainted, nine years experience, desires responsible position. Box 195, DRUG & CHEMICAL MARKETS.

SALESMAN—Experienced in Fatty Oils, four years with present employers, seeks new connection the first of the year in New York. Box 221, DRUG & CHEMICAL MARKETS.

DETAIL MAN—With medical degree and five years experience in this work, favorably known to dental profession in New York and New England, open for engagement with a thoroughly reputable and established house in this line. Box 222, DRUG & CHEMICAL MARKETS.

HEAVY CHEMICALS—A hard working salesman, 32 years old, married, handled industrial chemicals for eight years, five years with one house, wants to connect with manufacturer. Willing to go anywhere and travel. Box 224, DRUG & CHEMICAL MARKETS.

TOILET PREPARATION SALESMAN with successful record with big houses and trade seeks responsible position in charge of Sales Department of perfumery or toilet goods house. Has splendid record for developing sales; able to handle mail and advertising matter; has had charge of salesmen and demonstrators. Thoroughly capable of filling position as Sales Manager in this line. Box 225, DRUG & CHEMICAL MARKETS.

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HELP WANTED

MANAGER-SALESMAN—At present time in complete charge of heavy chemical division of well known house, would consider proposition of merit from reputable firm. Writer thoroughly conversant in the buying and selling of chemicals, desires change because present connection offers too limited prospects. Box 190, DRUG & CHEMICAL MARKETS.

DRUG SPECIALTY EXECUTIVE—Young man, graduate chemist, long practical experience in manufacturing proprietaries and cosmetics. Experience includes perfecting formulae, laying out manufacturing processes, cost systems, purchasing, stock records, etc. Thoroughly conversant with prices, sources of supplies of raw materials and manufacturing processes. Box 208, DRUG & CHEMICAL MARKETS.

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WANTED—Salesman having had experience in the selling of Bakelite. Box 209, DRUG & CHEMICAL MARKETS.

SALESMAN—Familiar with Naval Stores trade wanted to travel Pennsylvania for an established agency. Full particulars in first letter. Box 220, DRUG & CHEMICAL MARKETS.

OFFICE MANAGER & CORRESPONDENT—Familiar with the drug and pharmaceutical trades wanted to take charge of a small office and handle sales correspondence as assistant to the Sales Manager. Advertising experience desirable. Box 223, DRUG & CHEMICAL MARKETS.

WANTED—Dye salesman with established clientele to call on consuming and jobbing trade in the Metropolitan District and Philadelphia. Excellent opportunity for right man. Address with full particulars B S Box 214, DRUG & CHEMICAL MARKETS.

GLYCEROPHOSPHATES—Chemist familiar with details of large scale manufacture wanted. Give full details in first letter. Box 206, DRUG & CHEMICAL MARKETS.

FERTILIZERS—Manufacturer seeks services of trained agronomist, with business experience, who can take charge of fertilizer sales promotion and advertising in Southern (cotton) States. Apply with full particulars to Box 197, DRUG & CHEMICAL MARKETS.

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We are specialists in reorganizing and refinancing going chemical manufacturing properties; but we do not handle the promotion of new companies or new inventions and all business handled must be subject to rigid investigation.

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Butyl Acetate	Diethylphthalate
Amyl Acetate	Dibutylphthalate
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SALES AGENT—Who is calling on consumers, wanted to handle small quantities of Magnesium Carbonate and Milk of Magnesia. Box 198, **DRUG & CHEMICAL MARKETS**.

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CAN FURNISH Lycopodium in 100 pound lots or by ton. Also moss for nursery purposes. Quote prices, and amount wanted. Box 205, **DRUG & CHEMICAL MARKETS**.

FOR SALE—5,000 pounds Powdered Graphite, packed in barrels, 3c per pound f.o.b. New York. Box 202, **DRUG & CHEMICAL MARKETS**.

FOR SALE—8,000 pounds U.S.P. Sodium Salicylate containing very small percentage binder. Bargain price. Box 204, **DRUG & CHEMICAL MARKETS**.

DRUGS AND CHEMICALS

WANTED—Benzoic Acid or Sodium Benzoate Technical. Submit small sample, quantity and lowest price. Box 207, **DRUG & CHEMICAL MARKETS**.

MENHADEN OIL WANTED for export. Samples and prices. References, Deutsche Bank. Address Hans Troeder, Hammerlandstr. 240, Hamburg 26, Germany. Cables, Trant-roeder, Hamburg.

WE OFFER all or part of five casks, about three thousand pounds, of strictly high grade imported Archil Extract Paste. Box 212, **DRUG & CHEMICAL MARKETS**.

WE OFFER leading European and African Botanical Drugs. All codes. Cable "Amecousema Paris". Amecousema American Trading House, 25 Rue St. Augustin, Paris, France.

SACCHARIN SOLUBLE MONSANTO—What offer for case containing 100—1 lb. tins. Box 199, **DRUG & CHEMICAL MARKETS**.

WANTED—Inquiries for oils, fats, glycerin, chemicals, rosin and turpentine. We always have a large surplus for sale. Dickinson Corporation (Brokers exclusively) 327 So. La Salle St., Chicago, Ill.

QUOTE on 15 to 20 tons heavy fuel oil of "Mazout" quality, C. I. F. Jaffa. Address Kyriacopoulos & Gelat, Jaffa, Palestine.

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WE WILL PAY CASH for various Laboratory equipment such as, Microscope, Small Electric Centrifuge, Ointment Machine, Pulverizing Machine, etc. Paul & Co., 230 Greenwich St., N. Y. C.

PLANT EQUIPMENT

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